

SERVICE MANUAL

INTEGRATED STEREO AMPLIFIER

SANSUI AU-X701/X901



CAUTION

1. Parts identified by the \triangle symbol on the schematic diagram and the parts list are critical for safety. Use only replacement parts that have critical characteristics recommended by the manufacturer.
2. Make leakage-current or resistance measurements to determine that exposed parts are acceptably insulated from the supply circuit before returning the appliance to the customer.

•SPECIFICATIONS

AU-X701

Power output

Min. RMS, both channels driven, from 20 to 20,000 Hz, with no more than 0.005% total harmonic distortion.
100 watts per channel into 8 ohms.

Load impedance..... 4 to 16 ohms

Total harmonic distortion

..... less than 0.005% at or below rated min. RMS power output

Intermodulation distortion

(60 Hz: 7 kHz = 4:1 SMPTE method)

..... less than 0.005% at rated power output

Frequency response (at 1 watt)

Overall (from CD)..... 1 to 300,000 Hz, +0 dB
-3 dB

RIAA curve deviation (PHONO-MM, 20 Hz to 20 kHz)

..... +0.2 dB, -0.2 dB

Input sensitivity and impedance (at 1 kHz)

PHONO (MC)..... 300 μ V/100 ohms

European models only

PHONO (MC TRANS)..... 160 μ V/16 ohms

PHONO (MM)..... 2.5 mV/47 kohms

(Max. input capability: 210 mV at 1 kHz, less than 0.01% total harmonic distortion)

CD, TUNER, LINE..... 150 mV/47 kohms

TAPE/DAT PLAY-1, 2, 3

..... 150 mV/47 kohms

PROCESSOR RETURN

..... 150 mV/47 kohms

Output level (1,000 Hz)

TAPE/DAT REC-1, 2, 3

..... 150 mV into 47 kohms

PROCESSOR SEND 150 mV into 47 kohms

Signal to noise ratio (short-circuit, A-network)

PHONO (MM)..... 88 dB

CD, TUNER, LINE..... 110 dB

TAPE/DAT PLAY-1, 2, 3

..... 110 dB

Controls and Filter

BASS ± 5 dB at 50 Hz

TREBLE..... ± 5 dB at 15 kHz

SUBSONIC..... -3 dB at 16 Hz (6 dB/oct)

MUTING -20 dB

LOUDNESS +8 dB at 50 Hz

+6 dB at 10 kHz

(VOLUME: -30 dB position)

Power requirements AC 120V/220V/240V,
50/60 Hz

For U.S.A. & Canada... AC 120V, 60 Hz

Power consumption 380 watts 460 VA Rated
720 watts Maximum

Dimensions 448 mm (17-11/16") W
160 mm (6-9/16") H
441 mm (17-3/8") D

Weight 17.1 kg (37.7 lbs) net
19 kg (41.9 lbs) packed

to be continued ►

Sansui

SANSUI ELECTRIC CO., LTD.

NOTE

AU-X901

Power output

Min. RMS, both channels driven, from 20 to 20,000 Hz, with no more than 0.005% total harmonic distortion.

130 watts per channel into 8 ohms.

Load impedance..... 4 to 16 ohms

Total harmonic distortion

..... less than 0.005% at or below rated min. RMS power output

Intermodulation distortion

(60 Hz: 7 kHz = 4:1 SMPTE method)

..... less than 0.005% at rated power output

Frequency response (at 1 watt)

Overall (from CD)..... 1 to 300,000 Hz, +0 dB —3.0 dB

RIAA curve deviation (PHONO-MM, 20 Hz to 20 kHz)

..... +0.2 dB, —0.2 dB

Input sensitivity and impedance (at 1 kHz)

PHONO (MC TRANS)

..... 160 μ V/16 ohms

PHONO (MM)..... 2.5 mV/47 kohms

(Max. input capability: 210 mV at 1 kHz, less than 0.01% total harmonic distortion)

CD, TUNER, LINE..... 150 mV/47 kohms

TAPE/DAT PLAY-1, 2, 3

..... 150 mV/47 kohms

PROCESSOR RETURN

..... 150 mV/47 kohms

POWER AMP DIRECT (NORMAL)

..... 1V/5 kohms

POWER AMP DIRECT (BALANCED)

..... 2V/5 kohms

Output level (1,000 Hz)

TAPE/DAT REC-1, 2, 3

..... 150 mV into 47 kohms

PROCESSOR SEND

..... 150 mV into 47 kohms

Signal to noise ratio (short-circuit, A-network)

PHONO (MC TRANS)

..... 77 dB

PHONO (MM)..... 88 dB

CD, TUNER, LINE..... 110 dB

TAPE/DAT PLAY-1, 2, 3

..... 110 dB

Controls and Filter

BASS..... ± 5 dB at 50 Hz

Turnover frequency

..... 150 Hz, 75 Hz

TREBLE..... ± 5 dB at 15 kHz

SUBSONIC..... —3 dB at 16 Hz (6 dB/oct)

MUTING..... —20 dB

LOUDNESS..... +8 dB at 50 Hz

+6 dB at 10 kHz

(VOLUME: —30 dB position)

Power requirements..... AC 120V/220V/240V, 50/60 Hz

For U.S.A. & Canada... AC 120V, 60 Hz

Power consumption..... 450 watts 560 VA Rated 820 watts Maximum

Dimensions..... 448 mm (17-11/16") W 160 mm (6-9/16") H 441 mm (17-3/8") D

Weight..... 18.1 kg (39.9 lbs) net 20 kg (44.1 lbs) packed

* Design and specifications subject to changes without notice for improvements.

* Due to local laws and regulations, this unit sold in some areas are not equipped with variable voltage selectors.

- The symbols, UL, CSA, SA, BS, UK, EU, AS, SEV, SS, XX <EXPORT> and XX-V <EXPORT(V)> on the parts list and the schematic diagram mean followings respectively.

UL..... Manufactured for U.S.A market.
(Underwriters Laboratories approved model.)

CSA..... Manufactured for Canadian market.

SA..... Manufactured for South African market.

BS, UK..... Manufactured for United Kingdom market.

EU..... Manufactured for European market.

AS..... Manufactured for Australian market.

SEV..... Manufactured for Swiss market.

SS..... Manufactured for Saudi Arabian market.

XX..... Standard Version with Inner Voltage <EXPORT> Selector.

XX-V..... Standard Version with Outer Voltage <EXPORT(V)> Selector.

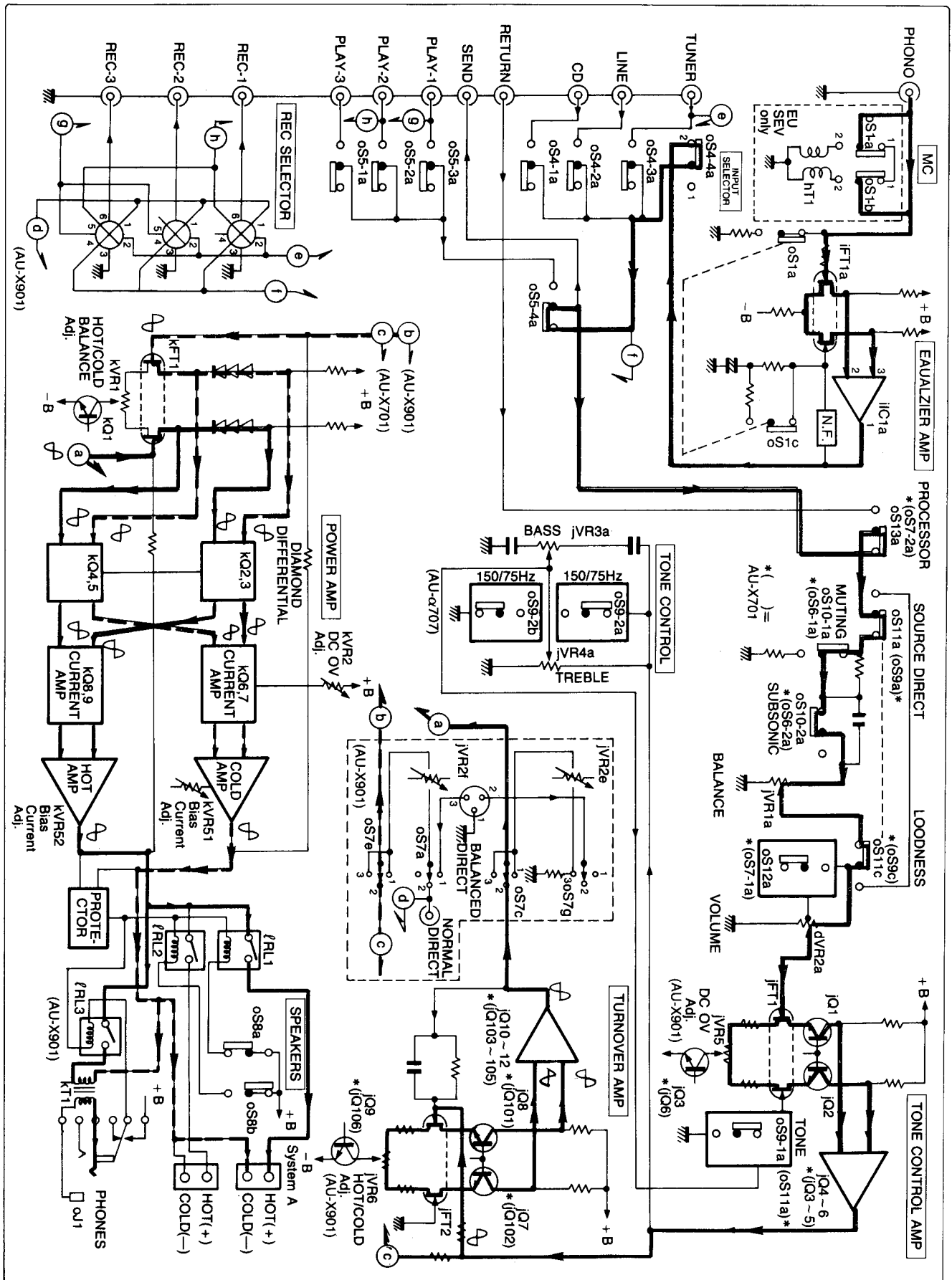
NON MARK..... Common Parts.

- Some printed circuit boards are not supplied assembled. To separate these in this service manual, the stock numbers are not indicated for these boards. However, stock numbers for individual parts are indicated.
- Since some capacitors and resistors are omitted from parts lists in this service manual, refer to the Common Parts List for capacitors and resistors, which was issued on February 1983.
- Abbreviations in this service manual are as follows.

•Abbreviations List

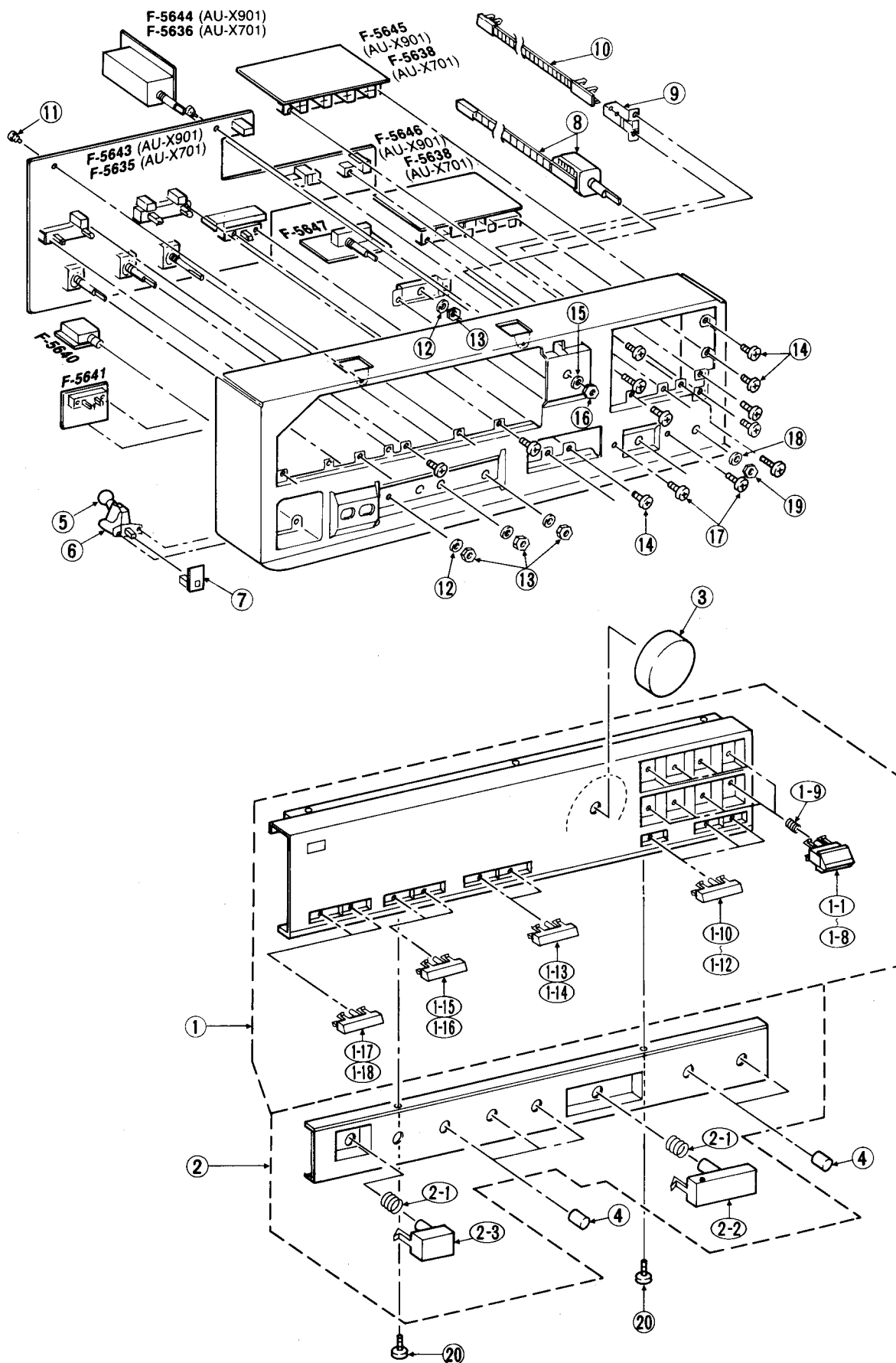
| | |
|---------|---|
| C.R. | : Carbon Resistor |
| S.R. | : Solid Resistor |
| Ce.R. | : Cement Resistor |
| M.R. | : Metal Film Resistor |
| F.R. | : Fusing Resistor |
| N.I.R. | : Non-Inflammable Resistor |
| A.R. | : Array Resistor |
| C.C. | : Ceramic Capacitor |
| C.T. | : Ceramic Capacitor, Temperature Compensation |
| E.C. | : Electrolytic Capacitor |
| E.L. | : Low Leak Electrolytic Capacitor |
| E.B. | : Bi-Polar Electrolytic Capacitor |
| E.B.L. | : Low Leak Bi-Polar Electrolytic Capacitor |
| Ta.C. | : Tantalum Capacitor |
| F.C. | : Film Capacitor |
| M.P. | : Metalized Paper Capacitor |
| P.C. | : Polystyrene Capacitor |
| G.C. | : Gimmic Capacitor |
| A.C. | : Array Capacitor |
| V.R. | : Variable Resistor |
| S.V.R. | : Semi Variable Resistor |
| SW. | : Switch |
| Chip R. | : Chip Resistor |
| Chip C. | : Chip Capacitor |

1. BLOCK DIAGRAM



2. EXPLODED VIEW OF SET & PARTS LIST

2-1. Front



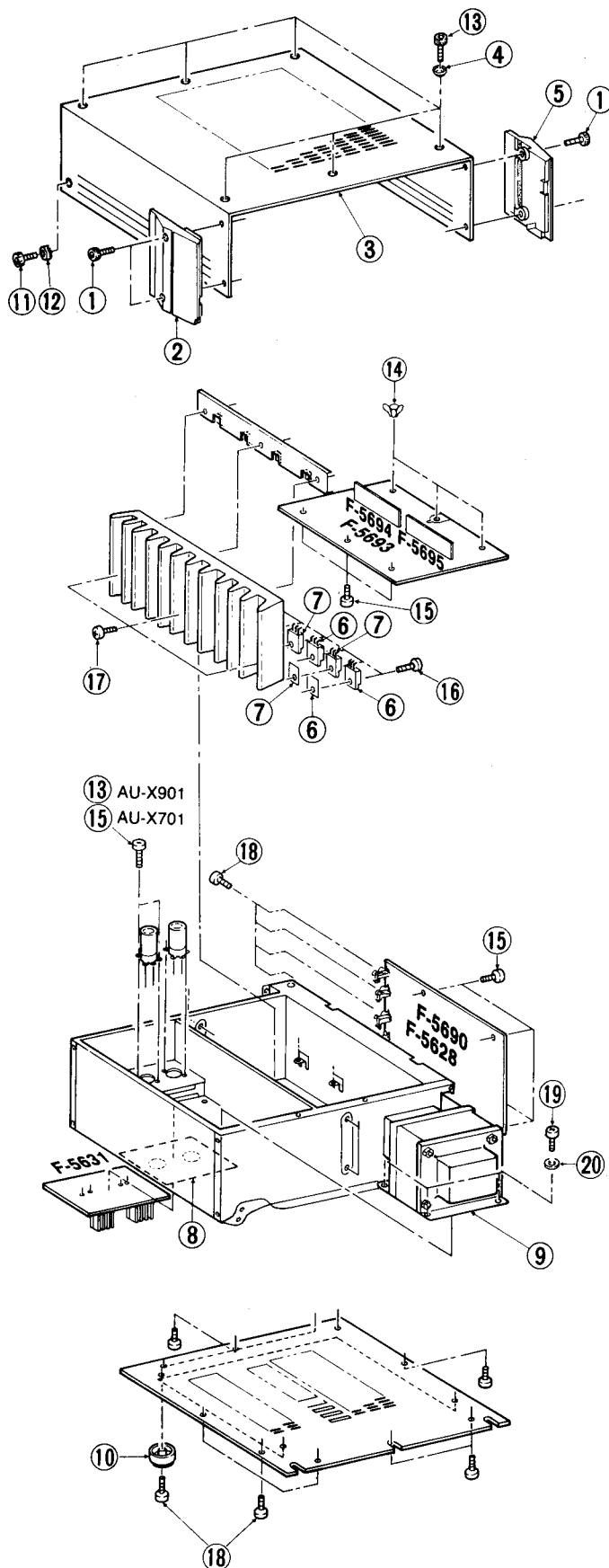
Parts List <Front>

| Parts No. | Stock No. | Description |
|-----------|-----------|--|
| 1 | 27401000 | Front Panel Assy-A (AU-X701) |
| | 27401200 | Front Panel Assy-A (AU-X901) |
| 1-1 | 27424800 | Knob, CD |
| 1-2 | 27424700 | Knob, LINE |
| 1-3 | 27424600 | Knob, TUNER |
| 1-4 | 27424500 | Knob, PHONO |
| 1-5 | 27425200 | Knob, TAPE-3 |
| 1-6 | 27425100 | Knob, TAPE-2 |
| 1-7 | 27425000 | Knob, TAPE-1 |
| 1-8 | 27424900 | Knob, TAPE/DAT |
| 1-9 | 27296900 | Spring, Input Selector Knob |
| 1-10 | 27416900 | Knob, PROCESSOR |
| 1-11 | 27417000 | Knob, MM/MC |
| 1-12 | 27416800 | Knob, LOUDNESS |
| 1-13 | 27416600 | Knob, SUBSONIC |
| 1-14 | 27416700 | Knob, MUTING |
| 1-15 | 27416400 | Knob, TURNOVER (AU-X901) |
| 1-16 | 27416500 | Knob, TONE |
| 1-17 | 27416200 | Knob, SPEAKERS-A |
| 1-18 | 27416300 | Knob, SPEAKERS-B |
| 2 | 27425700 | Front Panel Assy-B (AU-X701) |
| | 27425810 | Front Panel Assy-B (AU-X901) |
| 2-1 | 27297000 | Spring, SOURCE DIRECT-POWER |
| 2-2 | 27423700 | Knob, SOURCE DIRECT |
| 2-3 | 27423600 | Knob, POWER |
| 3 | 27298900 | Knob, VOLUME (AU-X701) |
| | 27423500 | Knob, VOLUME (AU-X901) |
| 4 | 27101700 | Knob, POWER AMP DIRECT (AU-X901) |
| 5 | 46943200 | 0.01 μ F 400V C.C. (AU-X701) |
| | 46425800 | 0.01 μ F 400V C.C. (AU-X901) |
| 6 | 46943200 | 0.01 μ F 400V C.C. (AU-X901) |
| 6 | 48113300 | Push SW., POWER (AU-X701) |
| | 46612900 | Push SW., POWER (AU-X901) |
| 7 | 47348200 | Joiner, POWER SW., |
| 8 | 48640110 | R/S Converter with flexible wire (AU-X701) |
| | 48719310 | R/S Converter with flexible wire (AU-X901) |
| 9 | 48670000 | Push Operator, MC/MM |
| 10 | 48728500 | Flexible Wire |
| 11 | 00471500 | Resinous Rivet |
| 12 | 07106100 | 7.0M Washer |
| 13 | 07105600 | 7.0M Nut |
| 14 | 13122300 | M3X6 Screw |
| 15 | 07106200 | 8.0M Washer |
| 16 | 07105700 | 8.0M Nut |
| 17 | 46267800 | M3X8 Screw |
| 18 | 07106300 | 9.0M Washer |
| 19 | 07105800 | 9.0M Nut |
| 20 | 46267900 | M3X8 Screw |

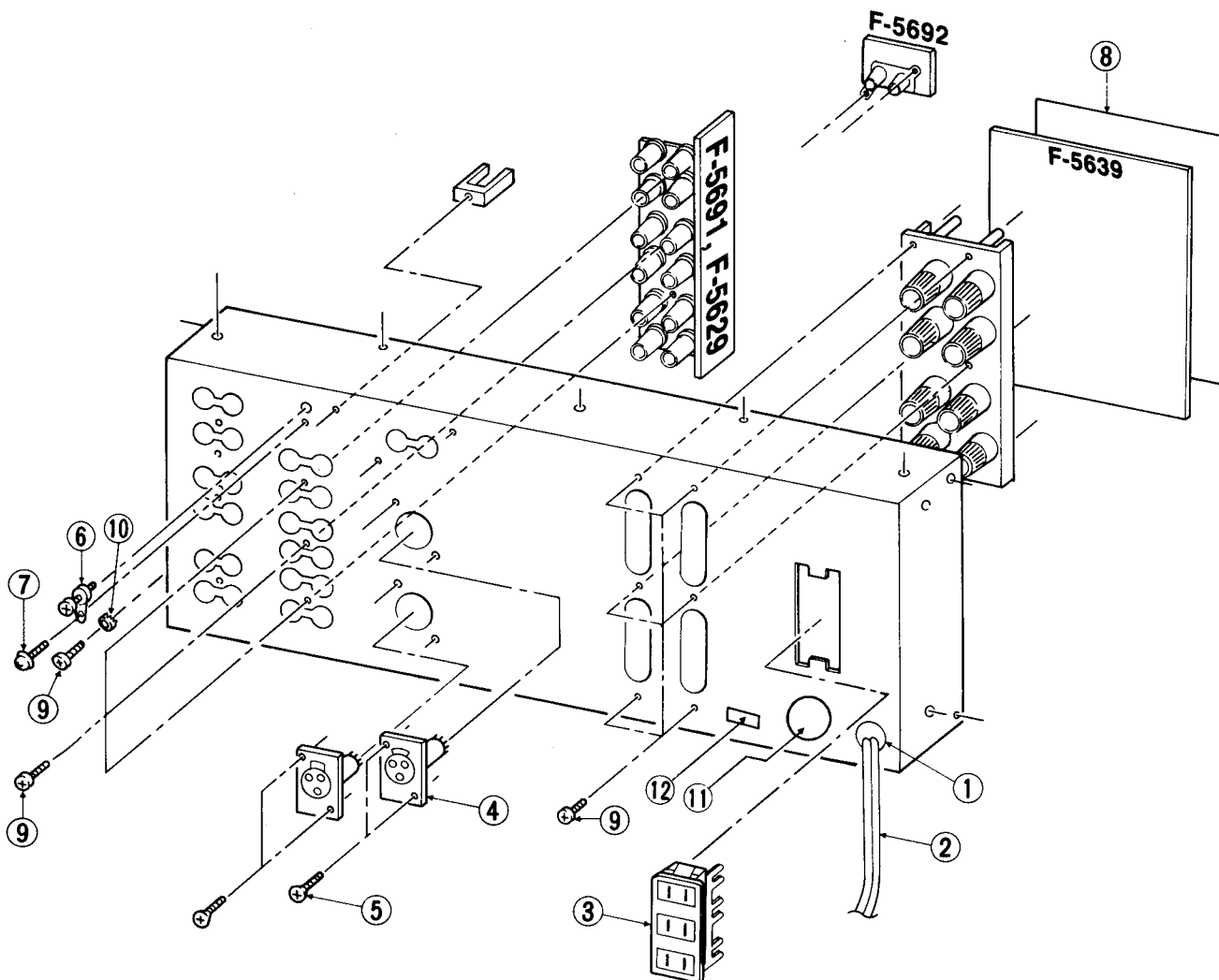
Parts List <Center>

| Parts No. | Stock No. | Description |
|-----------|-----------|--|
| 1 | 48719700 | M5X10 Hexagn Socket Head Screw |
| 2 | 27301100 | Left Side Panel |
| 3 | 27301400 | Bonnet |
| 4 | 27319200 | BO Spacer |
| 5 | 27301200 | Right Side Panel |
| 6 | 48729201 | 2SA1303 <AU-X701> |
| | 48729401 | 2SA1386 <AU-X901> |
| 7 | 48729301 | 2SC3284 <AU-X701> |
| | 48729501 | 2SC3519 <AU-X901> |
| 8 | 27355200 | Absolute Sheet-B |
| 9 | 15028909 | Power Transformer with VOLTAGE SELECTOR SOCKET (XX-V) <AU-X701> |
| | 15028902 | Power Transformer (UL) <AU-X701> |
| | 15028905 | Power Transformer (EU SEV) <AU-X701> |
| | 15028903 | Power Transformer (CSA) <AU-X701> |
| | 15029009 | Power Transformer with VOLTAGE SELECTOR Socket (XX-V) <AU-X901> |
| | 15029002 | Power Transformer (UL CSA) <AU-X901> |
| | 15029005 | Power Transformer (EU SEV) <AU-X901> |
| 10 | 27266000 | Leg <AU-X701> |
| | 47338400 | Leg <AU-X901> |
| 11 | 46669100 | M4X8 Screw |
| 12 | 46413000 | 4M Washer |
| 13 | 00458500 | M4X8 Screw |
| 14 | 00471500 | Resinous River |
| 15 | 46267800 | M3X8 Screw |
| 16 | 48795700 | M3X14 Screw |
| 17 | 46268100 | M3X10 Screw |
| 18 | 46267900 | M3X8 Screw |
| 19 | 00462100 | M4X12 Screw |
| 20 | 27323200 | Washer, Transformer |

2-2. Center



2-3. Rear



Parts List <Rear>

| Parts No. | Stock No. | Description |
|-----------|-----------|---|
| 1 | 39104900 | Strain Relief (UL,CSA,EU,SEV) |
| | 39106000 | Strain Relief (XX-V) |
| △ 2 | 48187800 | Power Supply Cord (UL,CSA) |
| △ | 48187500 | Power Supply Cord-Polarized (XX-V) |
| △ | 46128900 | Power Supply Cord (EU) |
| △ | 38004700 | Power Supply Cord (XX-V) |
| △ | 48837700 | Power Supply Cord (SS) |
| △ | 48306700 | Power Supply Cord (SEV) |
| △ 3 | 48184700 | AC OUTLET (UL,CSA) |
| △ | 46730400 | AC OUTLET (XX-V) |
| △ | 48184700 | AC OUTLET-Polarized (XX-V) |
| △ | 46161000 | AC OUTLET (EU,SEV) |
| 4 | 48586300 | Neutrik Connector (AU-X901) |
| 5 | 00462800 | M3X10 Countersunk Head Screw |
| 6 | 48587600 | Ground Terminal |
| 7 | 46268000 | M3X8 Flanged Head Screw |
| 8 | 27355100 | Absolute Sheet-A |
| 9 | 46267900 | M3X8 Screw |
| 10 | 46412900 | Washer |
| △ 11 | 48175200 | Voltage Selector Switch (XX-V) |
| △ | 07204700 | Slide SW., VOLTAGE SELECTOR (EU,SEV) |
| 12 | 07204700 | Slide SW., SPEAKER IMPEDANCE SELECTOR (XX-V,EU,SEV) |
| | 46736600 | Slide SW., SPEAKER IMPEDANCE SELECTOR (UL,CSA) |

3. PARTS LIST OF BOARD

3-1. F-5690 EQ Amp & Input Terminal Board (Stock No. 01037501 = AU-X901) (Stock No. 01039405 = AU-X701-EU-SEV)

| Parts No. | Stock No. | Description |
|-----------------------|-------------------------|--------------------------|
| hPT1 | 48828200 | MC Head Tranformer |
| • Transistor iQ1 | 46581701 | 2SC1845 |
| • FET iFT1 | 46723601 or 46723602 | 2SK389-BL 2SK389-V |
| • IC iIC1 | 46579100 | M5219L |
| • Zener Diode iDZ1 | 46111800 or 46825200 | 05Z6.2-Y RD6.2E-B1 |
| iDZ2 | 46115400 or 46115500 | 05Z20-Y 05Z20-Z |
| iDZ3 | 46115400 or 46115500 | 05Z20-Y 05Z20-Z |
| iR15 | 48031900 | 56k Ω 1/4W C.R. |
| iR16 | 48028100 | 1.5k Ω 1/4W C.R. |
| iR17 | 48029300 | 4.7k Ω 1/4W C.R. |
| Δ iR21 | 46229700 | 390 Ω 1/2W N.I.R. |
| Δ iR22 | 46229700 | 390 Ω 1/2W N.I.R. |
| iC6 | 48682900 | 100 μ F 16V E.C. |
| iC7 | 48682200 | 47 μ F 10V E.C. |
| iC8 | 46697000 | 0.056 μ F 50V F.C. |
| iC9 | 46695700 | 0.016 μ F 50V F.C. |
| iC10 | 48685900 | 10 μ F 50V E.C. |
| iC11 | 48685900 | 10 μ F 50V E.C. |
| iC13 | 46694200 | 3900pF 50V F.C. |
| iC14 | 48692200 | 220 μ F 25V E.C. |
| iC15 | 48692200 | 220 μ F 25V E.C. |
| iC16 | 48670600 | 470 μ F 6.3V E.C. |
| oS1 | 48728600 | Slide SW., M.M/M.C |
| oS2 | 48164000 | Slide SW., REC SELECTOR |
| oZ3 | 48792100 | Pin Jack, PHONO |
| oZ4 | 48792100 | Pin Jack, CD |
| oZ5 | 48791900 | Pin Jack, TUNER/LINE |
| oZ6 | 48791900 | Pin Jack, SEND/RETURN |

3-2. F-5628 EQ Amp & Input Terminal Board (Stock No. 01038301 = AU-X701-XX-UL-CSA)

| Parts No. | Stock No. | Description |
|-----------------------|-------------------------|--------------------------|
| • Transistor iQ1 | 46581701 | 2SC1845 |
| • FET iFT1 | 46723601 or 46723602 | 2SK389-BL 2SK389-V |
| • IC iIC1 | 46579100 | M5219L |
| • Zener Diode iDZ1 | 46111800 or 46825200 | 05Z6.2-Y RD6.2E-B1 |
| iDZ2 | 46115400 or 46115500 | 05Z20-Y 05Z20-Z |
| iDZ3 | 46115400 or 46115500 | 05Z20-Y 05Z20-Z |
| iR15 | 48031900 | 56k Ω 1/4W C.R. |
| iR16 | 48028100 | 1.5k Ω 1/4W C.R. |
| iR17 | 48029300 | 4.7k Ω 1/4W C.R. |
| iR19 | 48027700 | 1k Ω 1/4W N.I.R. |
| Δ iR21 | 46229700 | 390 Ω 1/2W N.I.R. |
| Δ iR22 | 46229700 | 390 Ω 1/2W N.I.R. |
| iC6 | 48682900 | 100 μ F 16V E.C. |
| iC7 | 48682200 | 47 μ F 10V E.C. |
| iC8 | 46696800 | 0.047 μ F 50V F.C. |
| iC9 | 46695700 | 0.016 μ F 50V F.C. |
| iC10 | 48685900 | 10 μ F 50V E.C. |
| iC11 | 48685900 | 10 μ F 50V E.C. |
| iC13 | 46282500 | 3900pF 50V F.C. |
| iC14 | 48692200 | 220 μ F 25V E.C. |
| iC15 | 48692200 | 220 μ F 25V E.C. |
| iC16 | 48688500 | 470 μ F 6.3V E.C. |
| oS1 | 48728600 | Slide SW., M.M/M.C |
| oS2 | 48164000 | Slide SW., REC SELECTOR |
| oZ3 | 48791800 | Pin Jack, PHONO |
| oZ4 | 48791800 | Pin Jack, CD |
| oZ5 | 48791900 | Pin Jack, TUNER/LINE |
| oZ6 | 48791900 | Pin Jack, SEND/RETURN |

3-3. F-5691 Tape Terminal Board <AU-X701-EU-SEV/AU-X901-XX-UL-EU-SEV-CSA>

| Parts No. | Stock No. | Description |
|-----------|-----------|----------------------------------|
| JC50 | 46696800 | 0.047 μ F 50V F.C. <AU-X901> |
| JC51 | 46696800 | 0.047 μ F 50V F.C. <AU-X901> |
| JC52 | 46696800 | 0.047 μ F 50V F.C. <AU-X901> |
| oZ7 | 48528200 | 4P Terminal, TAPE-3 |
| oZ8 | 48528200 | 4P Terminal, TAPE-2 |
| oZ9 | 48528200 | 4P Terminal, TAPE-1 |

3-4. F-5692 Power Amp Direct Terminal Board <AU-X901>

| Parts No. | Stock No. | Description |
|-----------|-----------|--------------|
| oZ10 | 22006100 | 2P Terminal, |

3-5. F-5639 Protector Board

(Stock No. 01039001 = AU-X701/Stock No. 01036401 = AU-X901)

| Parts No. | Stock No. | Description |
|--------------|-------------|-----------------------------|
| △kR100 | 46623100 | 10Ω 2W N.I.R. <AU-X701> |
| △ | 00185500 | 10Ω 2W N.I.R. <AU-X901> |
| △kR101 | 46623100 | 10Ω 2W N.I.R. <AU-X701> |
| △ | 00185500 | 10Ω 2W N.I.R. <AU-X901> |
| △kR102 | 46248700 | 33Ω 1W N.I.R. <AU-X701> |
| △ | 46249300 | 100Ω 1W N.I.R. <AU-X901> |
| △kR103 | 46248700 | 33Ω 1W N.I.R. <AU-X701> |
| △ | 46249300 | 100Ω 1W N.I.R. <AU-X901> |
| kC100 | 46283700 | 0.047μF 50V F.C. <AU-X701> |
| | 48834100 | 0.047μF 630V F.C. <AU-X901> |
| kC101 | 46283700 | 0.047μF 50V F.C. <AU-X701> |
| | 48834100 | 0.047μF 630V F.C. <AU-X901> |
| kT1 | 46841810 | MC Head Transformer |
| •Transistor | | |
| IQ1 | 46188701 | 2SC1815 |
| IQ2 | 46188701 | 2SC1815 |
| •IC | | |
| △IIC1 | 46207600 | TA7317P |
| •Diode | | |
| △ID1 | 03117600 | 1S2473T77 |
| △ | or 46086000 | 1S1588TP-3 |
| ID2 | 03117600 | 1S2473T77 |
| | or 46086000 | 1S1588TP-3 |
| ID3 | 03117600 | 1S2473T77 |
| | or 46086000 | 1S1588TP-3 |
| ID4 | 03117600 | 1S2473T77 |
| | or 46086000 | 1S1588TP-3 |
| △ID5 | 03117700 | 10E-2 |
| △ID6 | 03117600 | 1S2473T77 |
| △ | or 46086000 | 1S1588TP-3 |
| ID7 | 48123600 | 11E2 |
| ID8 | 48123600 | 11E2 |
| ID9 | 03117600 | 1S2473T77 <AU-X901> |
| | or 46086000 | 1S1588TP-3 <AU-X901> |
| △IR18 | 46230700 | 2.7kΩ 1/2W N.I.R. |
| IC1 | 48101900 | 100μF 10V E.B. |
| IC2 | 48101900 | 100μF 10V E.B. |
| IC4 | 48103400 | 1μF 50V E.B. |
| IRL1 | 46737700 | Relay, Protector <AU-X701> |
| | 46446400 | Relay, Protector <AU-X901> |
| IRL2 | 46737700 | Relay, Protector <AU-X701> |
| | 46446400 | Relay, Protector <AU-X901> |
| IRL3 | 48057001 | Relay, Phones <AU-X901> |
| •Transistor | | |
| △mQ1 | 07206401 | 2SD600K <AU-X701> |
| △ | 03086101 | 2SD357 <AU-X901> |
| △mQ2 | 03067401 | 2SC1845 <AU-X701> |
| | 46581701 | 2SC1845 <AU-X901> |
| •Diode | | |
| △mD1 | 03117700 | 10E-2 |
| △mD2 | 03117700 | 10E-2 |
| •Zener Diode | | |
| mDZ1 | 46116200 | 05Z27-X <AU-X701> |
| | or 46830300 | RD27E-B3 <AU-X701> |
| | or 46830400 | RD27E-B4 <AU-X701> |
| | 46105800 | 05Z24-Y <AU-X901> |
| △mR1 | 46624300 | 100Ω 2W N.I.R. <AU-X701> |
| △ | 46228300 | 27Ω 1/2 W.N.I.R. <AU-X901> |
| △nR1 | 46250700 | 1.5kΩ 1W N.I.R. <AU-X901> |
| oZ1 | 48592700 | 8P Terminal, Speaker |

3-6. F-5645 Input Selector Board <AU-X901>

| Parts No. | Stock No. | Description |
|--------------|-----------|-------------------------------|
| •Zener Diode | | |
| nDZ3 | 46109100 | 05Z2.7-Y |
| •LED | | |
| nLD11 | 48719200 | AY3427S, CD |
| nLD12 | 48719200 | AY3427S, LINE |
| nLD13 | 48719200 | AY3427S, TUNER |
| nLD14 | 48719200 | AY3427S, PHONO |
| oS4 | 48640300 | Push SW., CD•LINE•TUNER•PHONO |

3-7. F-5637 Input Selector Board <AU-X701>

| Parts No. | Stock No. | Description |
|--------------|-------------|-------------------------------|
| •Zener Diode | | |
| nDZ3 | 46109100 | 05Z2.7-Y |
| | or 46109200 | 05Z2.7-Z |
| •LED | | |
| nLD11 | 48719200 | AY3427S, CD |
| nLD12 | 48719200 | AY3427S, LINE |
| nLD13 | 48719200 | AY3427S, TUNER |
| nLD14 | 48719200 | AY3427S, PHONO |
| oS4 | 48640300 | Push SW., CD•LINE•TUNER•PHONO |

3-8. F-5631 Power Supply Board

(Stock No. 01038501 = AU-X701/Stock No. 01036301 = AU-X901)

| Parts No. | Stock No. | Description |
|--------------|-----------|---------------------------------|
| aZ25 | 07257800 | Screw, M3X14 |
| •Transistor | | |
| △mQ3 | 48508801 | 2SC3851 |
| mQ4 | 03067401 | 2SC1845 |
| △mQ5 | 48509101 | 2SA1488 |
| mQ6 | 03010901 | 2SA992 |
| •FET | | |
| mFT1 | 03703401 | 2SK163-K2 |
| mFT2 | 03703401 | 2SK163-K2 |
| •Diode | | |
| △mD3 | 03117000 | RB-152LFF <AU-X701> |
| △ | 07193300 | UB-152LFF <AU-X901> |
| △mD4 | 48667700 | FMU-22R <AU-X701> |
| △ | 48667500 | FMG-22R <AU-X901> |
| △mD5 | 48667600 | FMU-22S <AU-X701> |
| △ | 48667400 | FMG-22S <AU-X901> |
| △mD6 | 48667700 | FMU-22R <AU-X701> |
| △ | 48667500 | FMG-22R <AU-X901> |
| △mD7 | 48667600 | FMU-22S <AU-X701> |
| △ | 48667400 | FMG-22S <AU-X901> |
| •Zener Diode | | |
| mDZ2 | 46106600 | 05Z33-X |
| or | 46808700 | RD33E-B3 <AU-X701> |
| mDZ3 | 46106600 | 05Z33-X |
| or | 46808700 | RD33E-B3 <AU-X701> |
| △mR5 | 46228200 | 22Ω 1/2W N.I.R. |
| △mR6 | 46228200 | 22Ω 1/2W N.I.R. |
| △mR8 | 46251500 | 6.8kΩ 1W N.I.R. |
| △mR9 | 46251500 | 6.8kΩ 1W N.I.R. |
| △mR10 | 46248100 | 10Ω 1W N.I.R. <AU-X901> |
| △mR17 | 46248100 | 10Ω 1W N.I.R. <AU-X701> |
| mC2 | 08680400 | 0.01μF 500V C.C. <AU-X701> |
| mC3 | 46425800 | 0.01μF 400V C.C. <AU-X701> |
| or | 46943200 | 0.01μF 400V E.C. <AU-X701> |
| △ | 48527800 | 0.01μF 630V F.C. <AU-X901> |
| mC4 | 48695700 | 1000μF 50V E.C. |
| mC5 | 48695700 | 1000μF 50V E.C. |
| mC6 | 48693300 | 100μF 35V E.C. |
| mC7 | 48693300 | 100μF 35V E.C. |
| mC8 | 48693600 | 470μF 35V E.C. <AU-X701> |
| | 48693700 | 1000μF 35V E.C. <AU-X901> |
| mC9 | 48693600 | 470μF 35V E.C. <AU-X701> |
| | 48693700 | 1000μF 35V E.C. <AU-X901> |
| mC11 | 48828800 | 10000μF 71V E.C. <AU-X701> |
| | 48719500 | 10000μF 80V E.C. <AU-X901> |
| mC12 | 48828800 | 10000μF 71V E.C. <AU-X701> |
| | 48830800 | 12000μF 80V E.C. <AU-X901> |
| mC21 | 46222800 | 0.22μF 100V F.C. |
| mC22 | 46222800 | 0.22μF 100V F.C. |
| △mC31 | 08680400 | 0.01μF 500V C.C. |
| △mC32 | 08680400 | 0.01μF 500V C.C. |
| △mC33 | 08680400 | 0.01μF 500V C.C. |
| △mC34 | 08680400 | 0.01μF 500V C.C. |
| △pF1 | 48721700 | Fuse 4.0A (XX) <AU-X701> |
| △ | 48722000 | Fuse 7.0A (UL,CSA) <AU-X701> |
| △ | 07185300 | Fuse 4.0A (EU,FT,SEV) <AU-X701> |
| △ | 48721800 | Fuse 5.0A (XX) <AU-X901> |
| △ | 48722200 | Fuse 10A (UL,CSA) <AU-X901> |
| △ | 07185300 | Fuse 4.0A (EU) <AU-X901> |
| △ | 07185400 | Fuse 5.0A (SEV) <AU-X901> |
| △pF2 | 48721700 | Fuse 4.0A (XX) <AU-X701> |
| △ | 07184700 | Fuse 1.0A (SEV) <AU-X701> |
| △ | 48721800 | Fuse 5.0A (XX) <AU-X901> |
| △ | 07184700 | Fuse 1.0A (SEV) <AU-X901> |

3-9. F-5638 Tape Selector Board <AU-X701>

| Parts No. | Stock No. | Description |
|--------------|-----------|-------------------------|
| •Zener Diode | | |
| nDZ4 | 46109100 | 05Z2.7-Y |
| or | 46109200 | 05Z2.7-Z |
| •LED | | |
| nLD15 | 48719200 | AY3427S, TAPE-1 |
| nLD16 | 48719200 | AY3427S, TAPE-2 |
| nLD17 | 48719200 | AY3427S, TAPE-3 |
| oS5 | 48640200 | Push SW., TAPE SELECTOR |

3-10. F-5636 Volume Board <AU-X701>

| Parts No. | Stock No. | Description |
|-----------|-----------|--------------|
| jVR2 | 48728700 | 100KBX2 V.R. |

3-11. F-5629 Tape Terminal Board

<AU-X701-XX-UL-CSA>

| Parts No. | Stock No. | Description |
|-----------|-----------|---------------------|
| oZ7 | 48528200 | 4P Terminal, TAPE-3 |
| oZ8 | 48528200 | 4P Terminal, TAPE-2 |
| oZ9 | 48528200 | 4P Terminal, TAPE-1 |

3-12. F-5646 Tape Selector Board <AU-X901>

| Parts No. | Stock No. | Description |
|----------------------|-----------|-------------------------------------|
| •Zener Diode nDZ4 | 46109100 | 05Z2.7-Y |
| •LED nLD15 | 48719200 | AY3427S, TAPE-1 |
| nLD16 | 48719200 | AY3427S, TAPE-2 |
| nLD17 | 48719200 | AY3427S, TAPE-3 |
| oS5 | 48640200 | Push SW., TAPE-1, 2, 3, TAPE/DAT |

3-13. F-5647 Power Amp Direct SW. Board

<AU-X901>

| Parts No. | Stock No. | Description |
|-----------------------|-----------|--|
| jR69 | 48027100 | 560Ω 1/4W C.R. |
| •Zener Diode nDZ11 | 46109100 | 05Z2.7-Y |
| oS7 | 48669800 | Slide Rotary SW., Power Amp. Direct Operation |

3-14. F-5693 Power Amp Board (Stock No. 01039601 = AU-X701/Stock No. 01037901 = AU-X901)

| Parts No. | Stock No. | Description |
|----------------------|---------------------|---------------------------|
| •Transistor kQ1 | 46581701 | 2SC1845 |
| kQ2 | 46581701 | 2SC1845 |
| or 46947401 | 2SC2459 | |
| kQ3 | 46581701 | 2SC1845 |
| or 46947401 | 2SC2459 | |
| kQ4 | 46581601 | 2SA992 |
| or 46947301 | 2SA1049 | |
| kQ5 | 46581601 | 2SA992 |
| or 46947301 | 2SA1049 | |
| kQ6 | 46728201 | 2SA1145 |
| kQ7 | 46728301 | 2SC2705 |
| kQ8 | 46728201 | 2SA1145 |
| kQ9 | 46728301 | 2SC2705 |
| △kQ51 | 46581701 | 2SC1845 |
| △kQ52 | 46581701 | 2SC1845 |
| kQ53 | 46728301 | 2SC2705 |
| kQ54 | 46728301 | 2SC2705 |
| kQ55 | 46728201 | 2SA1145 |
| kQ56 | 46728201 | 2SA1145 |
| kQ57 | 46728901 | 2SC3298 |
| kQ58 | 46728901 | 2SC3298 |
| kQ59 | 46728801 | 2SA1306 |
| kQ60 | 46728801 | 2SA1306 |
| △kQ61 | 48729301 | 2SC3284 (AU-X701) |
| △ | 48729501 | 2SC3519 (AU-X901) |
| △kQ62 | 48729301 | 2SC3284 (AU-X701) |
| △ | 48729501 | 2SC3519 (AU-X901) |
| △kQ63 | 48729201 | 2SA1303 (AU-X701) |
| △ | 48729401 | 2SA1386 (AU-X901) |
| △kQ64 | 48729201 | 2SA1303 (AU-X701) |
| △ | 48729401 | 2SA1386 (AU-X901) |
| •FET kFT1 | 46723601 | 2SK389-BL |
| or 46723602 | 2SK389-V | |
| or 48785701 | 2SK389-BK (AU-X701) | |
| or 48785702 | 2SK389-VK (AU-X701) | |
| kD1 | 03401700 | Varistor MV103 |
| kD2 | 03401700 | Varistor MV103 |
| •Diode kD51 | 46727900 | 1S2091 |
| kD52 | 46727900 | 1S2091 |
| kD53 | 46727900 | 1S2091 |
| kD54 | 46727900 | 1S2091 |
| •Zener Diode kDZ1 | 46111800 | 05Z6.2-Y |
| or 46825300 | RD6.2E-B2 (AU-X701) | |
| kDZ51 | 03171500 | RD22F |
| kR1 | 48029100 | 3.9kΩ 1/4W C.R. (AU-X701) |
| | 48029200 | 4.3kΩ 1/4W C.R. (AU-X901) |
| kR2 | 48028900 | 3.3kΩ 1/4W C.R. |
| kR3 | 48028900 | 3.3kΩ 1/4W C.R. |
| kR29 | 48032700 | 120kΩ 1/4W C.R. (AU-X701) |
| | 48033000 | 160kΩ 1/4W C.R. (AU-X901) |

| Parts No. | Stock No. | Description |
|-------------|-----------------------|-----------------------------------|
| kR30 | 48032700 | 120kΩ 1/4W C.R. (AU-X701) |
| | 48033000 | 160kΩ 1/4W C.R. (AU-X901) |
| kR31 | 48029100 | 3.9kΩ 1/4W C.R. (AU-X701) |
| | 48029200 | 4.3kΩ 1/4W C.R. (AU-X901) |
| △kR51 | 46228400 | 33Ω 1/2W N.I.R. |
| △kR52 | 46228400 | 33Ω 1/2W N.I.R. |
| △kR53 | 46625100 | 470Ω 2W N.I.R. |
| △kR60 | 46229000 | 100Ω 1/2W N.I.R. |
| △kR61 | 46229000 | 100Ω 1/2W N.I.R. |
| △kR62 | 46229000 | 100Ω 1/2W N.I.R. |
| △kR63 | 46229000 | 100Ω 1/2W N.I.R. |
| △kR64 | 46229900 | 560Ω 1/2W N.I.R. |
| △kR65 | 46229900 | 560Ω 1/2W N.I.R. |
| △kR66 | 46229100 | 120Ω 1/2W N.I.R. |
| △kR67 | 46229100 | 120Ω 1/2W N.I.R. |
| △kR68 | 48730500 | 0.22Ω+0.22Ω 5W Ce.R. (AU-X701) |
| △ | 48197000 | 0.22Ω+0.22Ω 7W Ce.R. (AU-X901) |
| △kR69 | 48730500 | 0.22Ω+0.22Ω 5W Ce.R. (AU-X701) |
| △ | 48197000 | 0.22Ω+0.22Ω 7W Ce.R. (AU-X901) |
| △kR72 | 46623100 | 10Ω 2W N.I.R. (AU-X701) |
| △ | 00185500 | 10Ω 2W N.I.R. (AU-X901) |
| △kR73 | 46623100 | 10Ω 2W N.I.R. (AU-X701) |
| △ | 00185500 | 10Ω 2W N.I.R. (AU-X901) |
| △kR76 | 46227400 | 4.7Ω 1/2W N.I.R. |
| △kR77 | 46227400 | 4.7Ω 1/2W N.I.R. |
| △kR78 | 46227400 | 4.7Ω 1/2W N.I.R. |
| △kR79 | 46227400 | 4.7Ω 1/2W N.I.R. |
| kC1 | 46282000 | 1500pF 50V F.C. (AU-X701) |
| kC51 | 46628500 | 470μF 50V E.C. |
| kC52 | 46628500 | 470μF 50V E.C. |
| kC53 | 48683500 | 100μF 25V E.C. (AU-X701) |
| kC54 | 48692200 | 220μF 25V E.C. |
| kC55 | 48692200 | 220μF 25V E.C. |
| kC60 | 46283700 | 0.047μF 50V F.C. (AU-X701) |
| | 48834100 | 0.047μF 630V F.C. (AU-X901) |
| kC61 | 46283700 | 0.047μF 50V F.C. (AU-X701) |
| | 48834100 | 0.047μF 630V F.C. (AU-X901) |
| kC62 | 48692200 | 220μF 25V E.C. |
| kC63 | 48692200 | 220μF 25V E.C. |
| kL1 | 48818500 | Coil 0.82μH (AU-X701) |
| | 46851900 | Coil 0.8μH (AU-X901) |
| or 46851901 | Coil 0.82μH (AU-X901) | |
| kL2 | 48818500 | Coil 0.82μH (AU-X701) |
| | 46851900 | Coil 0.8μH (AU-X901) |
| or 46851901 | Coil 0.82μH (AU-X901) | |
| kVR1 | 48716300 | 100Ω S.V.R., HOT/COLD BALANCE |
| kVR2 | 48118600 | 500Ω S.V.R., DC 0V |
| kVR51 | 46633700 | 1kΩ (B) S.V.R., Bias |
| kVR52 | 46633700 | 1kΩ (B) S.V.R., Bias |

3-15. F-5640 Head Phones Board

| Parts No. | Stock No. | Description |
|-----------|-----------|---------------|
| oJ1 | 46078200 | Jack,, PHONES |

3-16. F-5641 SP. SW. Board

| Parts No. | Stock No. | Description |
|--------------|-----------|-------------------------|
| •LED nLD1 | 48719200 | AY3427S, PROTECTOR |
| oS8 | 48640600 | Push SW., SPEAKERS-A, B |

3-17. F-5643 Tone Control Amp Board <AU-X901> (Stock No. 01036901)

| Parts No. | Stock No. | Description |
|-------------|-------------|------------------|
| •Transistor | | |
| jQ1 | 46581701 | 2SC1845 |
| jQ2 | 46581701 | 2SC1845 |
| jQ3 | 46581701 | 2SC1845 |
| jQ4 | 46581601 | 2SA992 |
| jQ5 | 46581601 | 2SA992 |
| jQ6 | 46581701 | 2SC1845 |
| jQ7 | 46581701 | 2SC1845 |
| jQ8 | 46581701 | 2SC1845 |
| jQ9 | 46581701 | 2SC1845 |
| jQ10 | 46581601 | 2SA992 |
| jQ11 | 46581601 | 2SA992 |
| jQ12 | 46581701 | 2SC1845 |
| •FET | | |
| jFT1 | 46723600 | 2SK389-GR |
| | or 46723601 | 2SK389-BL |
| | or 46723602 | 2SK389-V |
| jFT2 | 46723600 | 2SK389-GR |
| | or 46723601 | 2SK389-BL |
| | or 46723602 | 2SK389-V |
| •Diode | | |
| jD1 | 03117600 | 1S2473T77 |
| | or 46086000 | 1S1588TP-3 |
| jD2 | 03401500 | Varistor MV12 |
| jD3 | 03117600 | 1S2473T77 |
| | or 46086000 | 1S1588TP-3 |
| jD4 | 03401500 | Varistor MV12 |
| △jR18 | 46229100 | 120Ω 1/2W N.I.R. |
| △jR22 | 46229400 | 220Ω 1/2W N.I.R. |
| △jR23 | 46229400 | 220Ω 1/2W N.I.R. |
| jR24 | 48029500 | 5.6kΩ 1/4W C.R. |
| jR25 | 48028600 | 2.4kΩ 1/4W C.R. |
| jR31 | 48029700 | 6.8kΩ 1/4W C.R. |
| △jR40 | 46229100 | 120Ω 1/2W N.I.R. |
| △jR44 | 46229400 | 220Ω 1/2W N.I.R. |
| △jR45 | 46229400 | 220Ω 1/2W N.I.R. |
| jR46 | 48029700 | 6.8kΩ 1/4W C.R. |
| jR48 | 48025300 | 100Ω 1/4W C.R. |
| jC1 | 48479800 | 0.33μF 63V F.C. |

| Parts No. | Stock No. | Description |
|--------------|-----------|---------------------------|
| jC3 | 46697200 | 0.068μF 50V F.C. |
| jC16 | 48677500 | 220μF 25V E.C. |
| jC17 | 48677500 | 220μF 25V E.C. |
| jC30 | 46697400 | 0.082μF 50V F.C. |
| jC31 | 46698000 | 0.15μF 50V F.C. |
| jC32 | 46697400 | 0.082μF 50V F.C. |
| jC33 | 46698000 | 0.15μF 50V F.C. |
| jC34 | 46693600 | 2200pF 50V F.C. |
| jC35 | 46694800 | 6800pF 50V F.C. |
| jC36 | 48683100 | 10μF 25V E.C. |
| jC37 | 48683100 | 10μF 25V E.C. |
| jC41 | 48693400 | 220μF 35V E.C. |
| jC42 | 48693400 | 220μF 35V E.C. |
| jC53 | 46691100 | 0.047μF 50V F.C. |
| jC71 | 48478500 | 0.33μF 63V F.C. |
| jVR1 | 48669100 | 250KX2 V.R., BALANCE |
| jVR3 | 48669000 | 100KX2 V.R., TREBLE |
| jVR4 | 48669000 | 100KX2 V.R., BASS |
| jVR5 | 46738100 | 100Ω S.V.R., DC 0V |
| jVR6 | 46738100 | 100Ω S.V.R., DC 0V |
| •Zener Diode | | |
| nDZ1 | 46112400 | 05Z7.5-Y |
| nDZ2 | 46109100 | 05Z2.7-Y |
| •LED | | |
| nLD2 | 48351800 | GL-3HY8, TONE |
| nLD3 | 48351800 | GL-3HY8, SUBSONIC |
| nLD4 | 48351800 | GL-3HY8, MUTING |
| nLD5 | 48719200 | AY3427S, SOURCE DIRECT |
| nLD6 | 48719200 | AY3427S, SOURCE DIRECT |
| nLD7 | 48719200 | AY3427S, SOURCE DIRECT |
| nLD8 | 48351800 | GL-3HY8, LOUDNESS |
| nLD9 | 48351800 | GL-3HY8, PROCESSOR |
| nLD10 | 48351800 | GL-3HY8, VOLUME/-dB |
| oS9 | 48728200 | Push SW., TURNOVER-TONE |
| oS10 | 48640800 | Push SW., SUBSONIC-MUTING |
| oS11 | 48640700 | Push SW., SOURCE DIRECT |
| oS12 | 48640500 | Push SW., LOUDNESS |
| oS13 | 48728100 | Push SW., PROCESSOR |

3-18. F-5644 Volume Board <AU-X901>

| Parts No. | Stock No. | Description |
|-----------|-----------|--------------------------|
| jVR2 | 48592900 | 100kΩ + 5kΩ V.R., VOLUME |

3-19. F-5694 L-CH Power Limiter Board

(Stock No. 01039701=AU-X701/Stock No. 01038001=AU-X901)

| Parts No. | Stock No. | Description |
|-------------|-------------|----------------------------|
| •Transistor | | |
| IQ30 | 46367101 | 2SC2603 |
| | or 46367301 | 2SC2458 (AU-X701) |
| IQ31 | 46367001 | 2SA1115 |
| | or 46367201 | 2SA1048 (AU-X701) |
| IQ32 | 46367001 | 2SA1115 |
| | or 46367201 | 2SA1048 (AU-X701) |
| IQ33 | 46367101 | 2SC2603 |
| | or 46367301 | 2SC2458 (AU-X701) |
| IQ34 | 46367101 | 2SC2603 |
| IQ35 | 46367001 | 2SA1115 |
| •Diode | | |
| ID30 | 03117600 | 1S2473T77 |
| | or 46086000 | 1S1588TP-3 |
| △IR30 | 46230100 | 820Ω 1/2W N.I.R. (AU-X701) |
| △ | 46230000 | 680Ω 1/2W N.I.R. (AU-X901) |
| △IR31 | 46230100 | 820Ω 1/2W N.I.R. (AU-X701) |
| △ | 46230000 | 680Ω 1/2W N.I.R. (AU-X901) |
| △IR32 | 46229100 | 120Ω 1/2W N.I.R. |
| △IR33 | 46229100 | 120Ω 1/2W N.I.R. |
| IC30 | 46281800 | 1000pF 50V F.C. |
| IC31 | 46281800 | 1000pF 50V F.C. |
| IC32 | 46283300 | 0.022μF 50V F.C. |

3-20. F-5695 R-CH Power Limiter Board

(Stock No. 01039801=AU-X701/Stock No. 01038101=AU-X901)

| Parts No. | Stock No. | Description |
|-------------|-------------|----------------------------|
| •Transistor | | |
| IQ30 | 46367101 | 2SC2603 |
| | or 46367301 | 2SC2458 (AU-X701) |
| IQ31 | 46367001 | 2SA1115 |
| | or 46367201 | 2SA1048 (AU-X701) |
| IQ32 | 46367001 | 2SA1115 |
| | or 46367201 | 2SA1048 (AU-X701) |
| IQ33 | 46367101 | 2SC2603 |
| | or 46367301 | 2SC2458 (AU-X701) |
| IQ34 | 46367101 | 2SC2603 |
| IQ35 | 46367001 | 2SA1115 |
| •Diode | | |
| ID30 | 03117600 | 1S2473T77 |
| | or 46086000 | 1S1588TP-3 |
| △IR30 | 46230100 | 820Ω 1/2W N.I.R. (AU-X701) |
| △ | 46230000 | 680Ω 1/2W N.I.R. (AU-X901) |
| △IR31 | 46230100 | 820Ω 1/2W N.I.R. (AU-X701) |
| △ | 46230000 | 680Ω 1/2W N.I.R. (AU-X901) |
| △IR32 | 46229100 | 120Ω 1/2W N.I.R. |
| △IR33 | 46229100 | 120Ω 1/2W N.I.R. |
| IC30 | 46281800 | 1000pF 50V F.C. |
| IC31 | 46281800 | 1000pF 50V F.C. |
| IC32 | 46283300 | 0.022μF 50V F.C. |

3-21. F-5635 Tone Control Amp Board <AU-X701> (Stock No. 01038601)

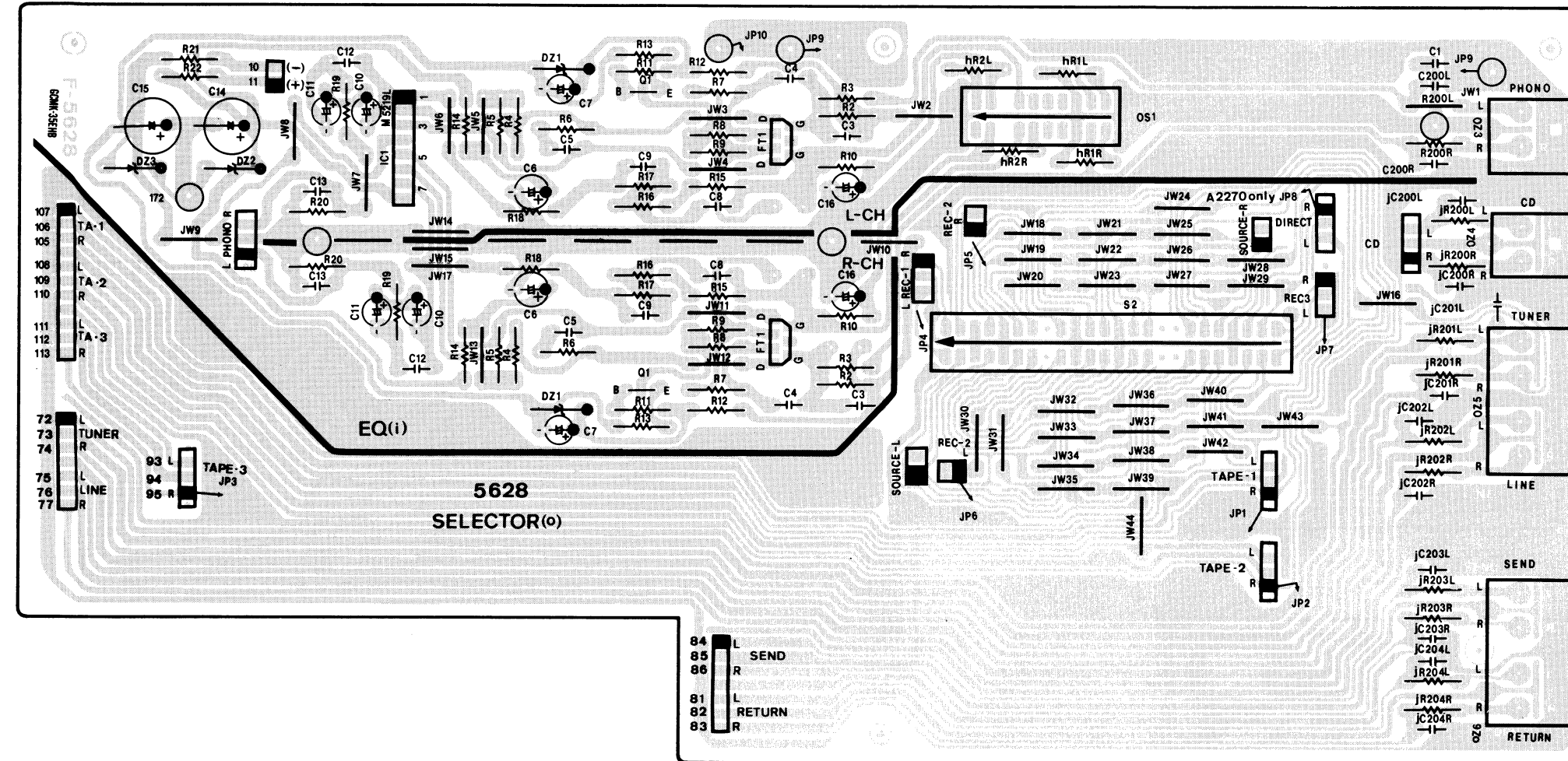
| Parts No. | Stock No. | Description |
|-------------|-------------|------------------|
| •Transistor | | |
| jQ1 | 46581701 | 2SC1845 |
| | or 46947401 | 2SC2459 |
| jQ2 | 46581701 | 2SC1845 |
| | or 46947401 | 2SC2459 |
| jQ3 | 46581601 | 2SA992 |
| jQ4 | 46581601 | 2SA992 |
| jQ5 | 46581701 | 2SC1845 |
| jQ6 | 46581701 | 2SC1845 |
| jQ101 | 46581701 | 2SC1845 |
| | or 46947401 | 2SC2459 |
| jQ102 | 46581701 | 2SC1845 |
| | or 46947401 | 2SC2459 |
| jQ103 | 46581601 | 2SA992 |
| jQ104 | 46581601 | 2SA992 |
| jQ105 | 46581701 | 2SC1845 |
| jQ106 | 46581701 | 2SC1845 |
| •FET | | |
| jFT1 | 46723601 | 2SK389-BL |
| | or 46723602 | 2SK389-V |
| | or 48785701 | 2SK389-BK |
| jFT101 | 46723601 | 2SK389-VK |
| | or 46723602 | 2SK389-BL |
| | or 46723602 | 2SK389-V |
| | or 48785701 | 2SK389-BK |
| | or 48785702 | 2SK389-VK |
| •Diode | | |
| jD1 | 03117600 | 1S2473T77 |
| | or 46086000 | 1S1588TP-3 |
| jD2 | 03401500 | Varistor MV12 |
| •Diode | | |
| jD101 | 03117600 | 1S2473T77 |
| | or 46086000 | 1S1588TP-3 |
| jD102 | 03401500 | Varistor MV12 |
| jR8 | 48027700 | 1kΩ 1/4W C.R. |
| jR9 | 48027700 | 1kΩ 1/4W C.R. |
| △jR14 | 46229100 | 120Ω 1/2W N.I.R. |
| jR18 | 48029500 | 5.6kΩ 1/4W C.R. |
| jR19 | 48028600 | 2.4kΩ 1/4W C.R. |
| △jR22 | 46229400 | 220Ω 1/2W N.I.R. |
| △jR23 | 46229400 | 220Ω 1/2W N.I.R. |
| jR25 | 48026000 | 200Ω 1/4W C.R. |

| Parts No. | Stock No. | Description |
|--------------|-------------|------------------------------|
| jR107 | 48029700 | 6.8kΩ 1/4W C.R. |
| △jR114 | 46229100 | 120Ω 1/2W N.I.R. |
| jR115 | 48029700 | 6.8kΩ 1/4W C.R. |
| jR117 | 48030100 | 10kΩ 1/4W C.R. |
| △jR122 | 46229400 | 220Ω 1/2W N.I.R. |
| △jR123 | 46229400 | 220Ω 1/2W N.I.R. |
| jR125 | 48026000 | 200Ω 1/4W C.R. |
| jR126 | 48025300 | 100Ω 1/4W C.R. |
| jC2 | 46697200 | 0.068μF 50V F.C. |
| jC3 | 48479700 | 0.27μF 63V F.C. |
| jC7 | 48674300 | 220μF 25V E.C. |
| jC10 | 48693400 | 220μF 35V E.C. |
| jC11 | 48693400 | 220μF 35V E.C. |
| jC12 | 46282200 | 2200pF 50V F.C. |
| jC13 | 46282700 | 6800pF 50V F.C. |
| jC14 | 46697400 | 0.082μF 50V F.C. |
| jC15 | 46698000 | 0.15μF 50V F.C. |
| jC19 | 46281800 | 1000pF 50V F.C. |
| jC21 | 46283700 | 0.047μF 50V F.C. |
| jC22 | 48674300 | 220μF 25V E.C. |
| jC105 | 46281800 | 1000pF 50V F.C. |
| jC119 | 46281800 | 1000pF 50V F.C. |
| jVR1 | 48669100 | 250KX2 V.R., BALANCE |
| jVR3 | 48669000 | 100KX2 V.R., TREBLE |
| jVR4 | 48669000 | 100KX2 V.R., BASS |
| •Zener Diode | | |
| nDZ9 | 46109100 | 05Z2.7-Y |
| | or 46109200 | 05Z2.7-Z |
| nDZ10 | 46111800 | 05Z6.2-Y |
| | or 46111900 | 05Z6.2-Z |
| •LED | | |
| nLD2 | 48719200 | AY3427S, S-DIRECT |
| nLD3 | 48719200 | AY3427S, S-DIRECT |
| nLD4 | 48719200 | AY3427S, S-DIRECT |
| nLD5 | 48351800 | GL-3HY8, LOUDNESS |
| nLD6 | 48351800 | GL-3HY8, TONE |
| oS6 | 48640600 | Push SW., MUTING·SUBSONIC |
| oS7 | 48640400 | Push SW., LOUDNESS·PROCESSOR |
| oS9 | 48640700 | Push SW., SOURCE DIRECT |
| oS11 | 48640500 | Push SW., TONE |

4. PARTS LOCATION ON BOARD

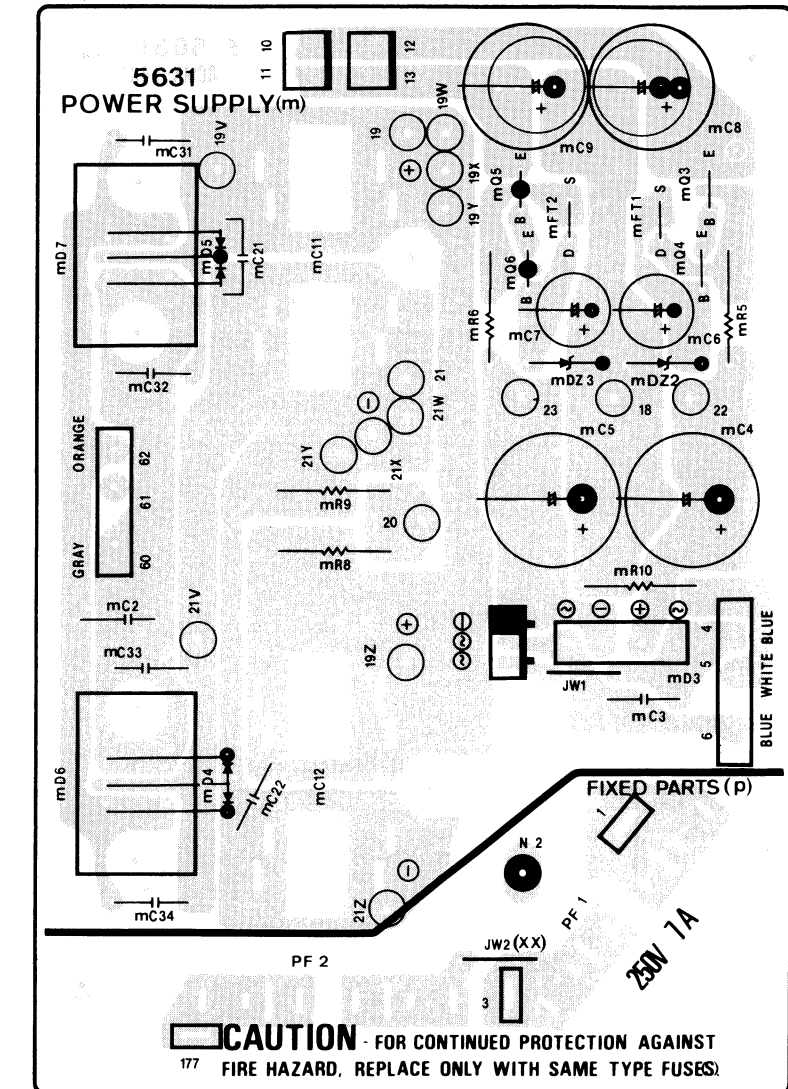
4-1. F-5628 EQ Amp & Input Terminal Board <AU-X701>

Pattern Side



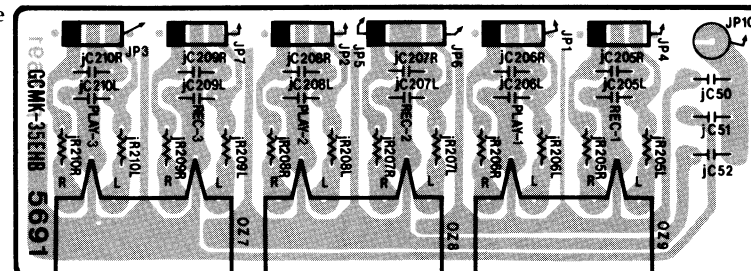
4-2. F-5631 Power Supply Board

Component Side



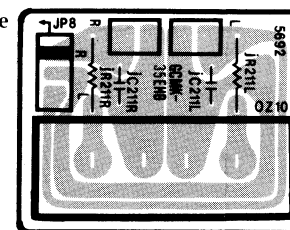
4-3. F-5691 Tape Terminal Board <AU-X701-EU-SEV/AU-X901-XX-UL-EU-SEV-CSA>

Component Side



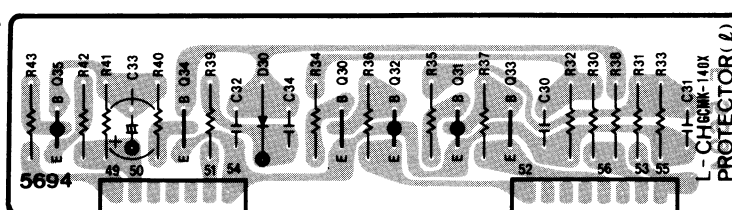
4-4. F-5692 Power Amp Direct Terminal Board <AU-X901>

Component Side



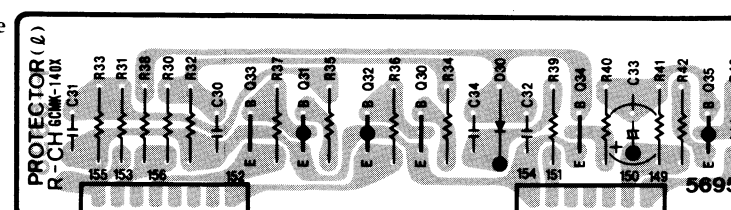
4-5. F-5694 L-CH Power Limiter Board

Component Side



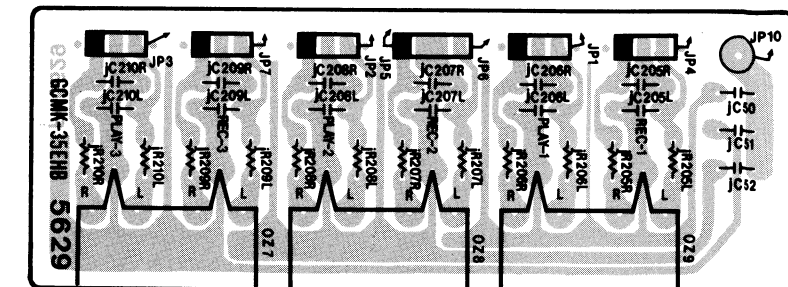
4-6. F-5695 R-CH Power Limiter Board

Component Side



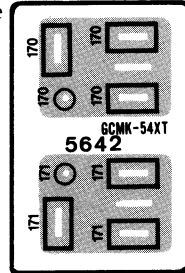
4-7. F-5629 Tape Terminal Board <AU-X701-XX-UL-CSA>

Component Side



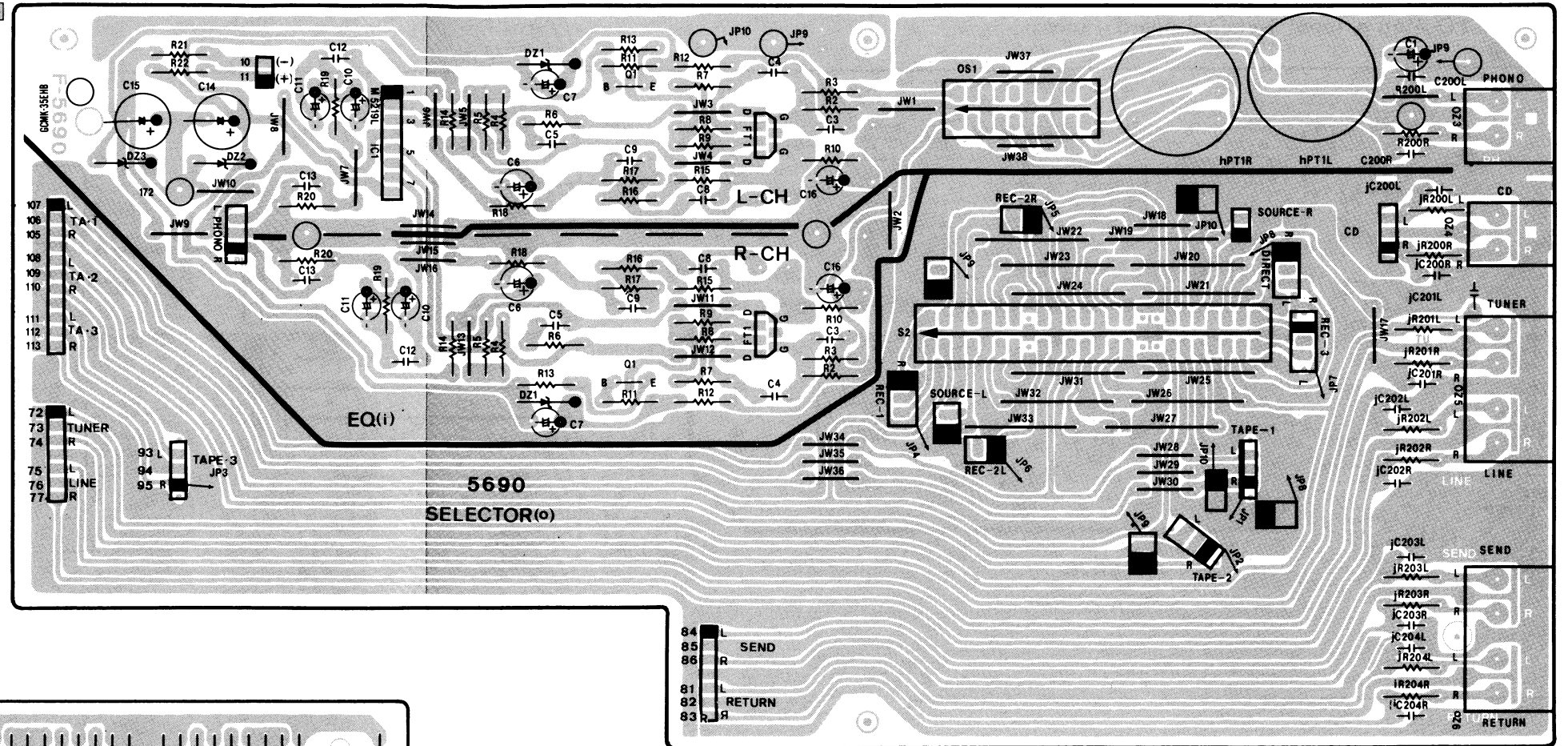
4-8. F-5642 AC Outet Board (EU, SEV)

Component Side



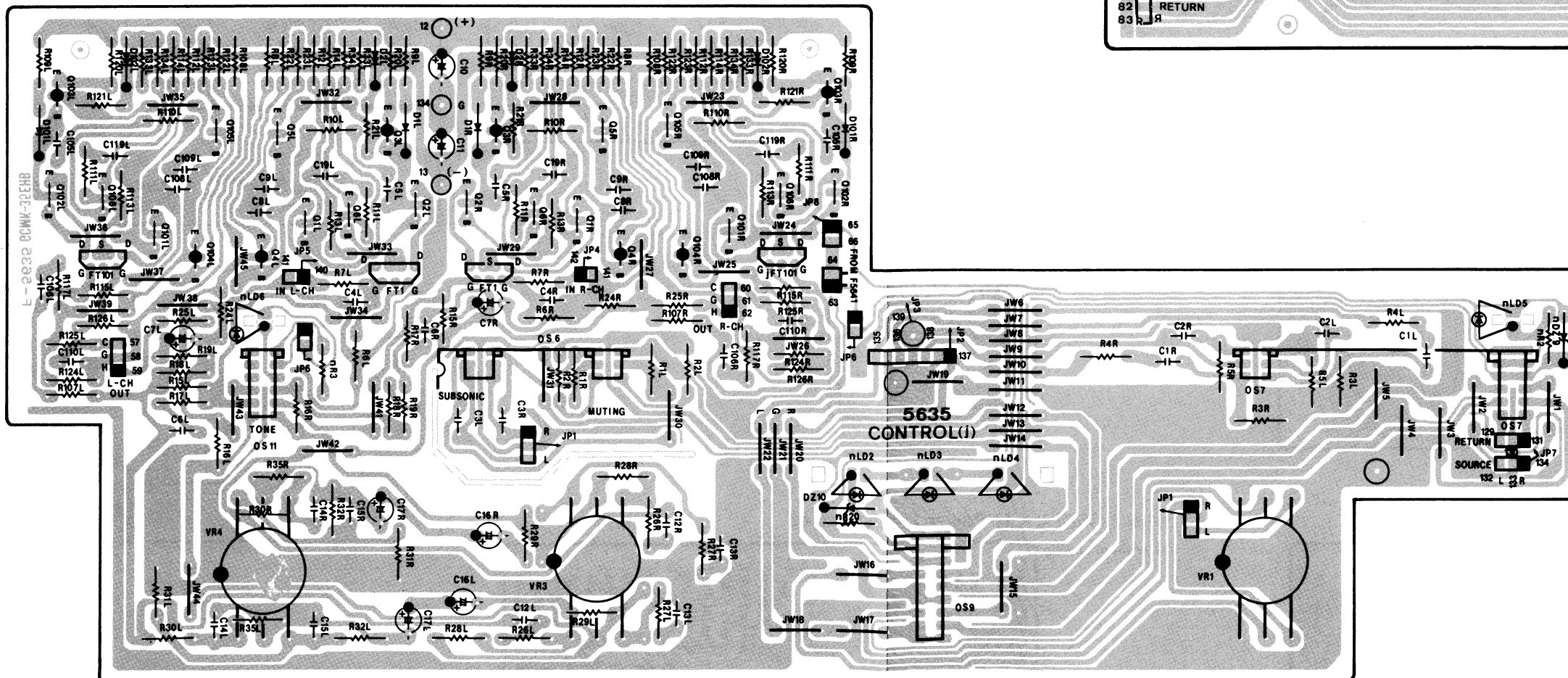
4-9. F-5690 EQ Amp & Input Terminal Board <AU-X901/AU-X701-EU-SEV>

Pattern Side



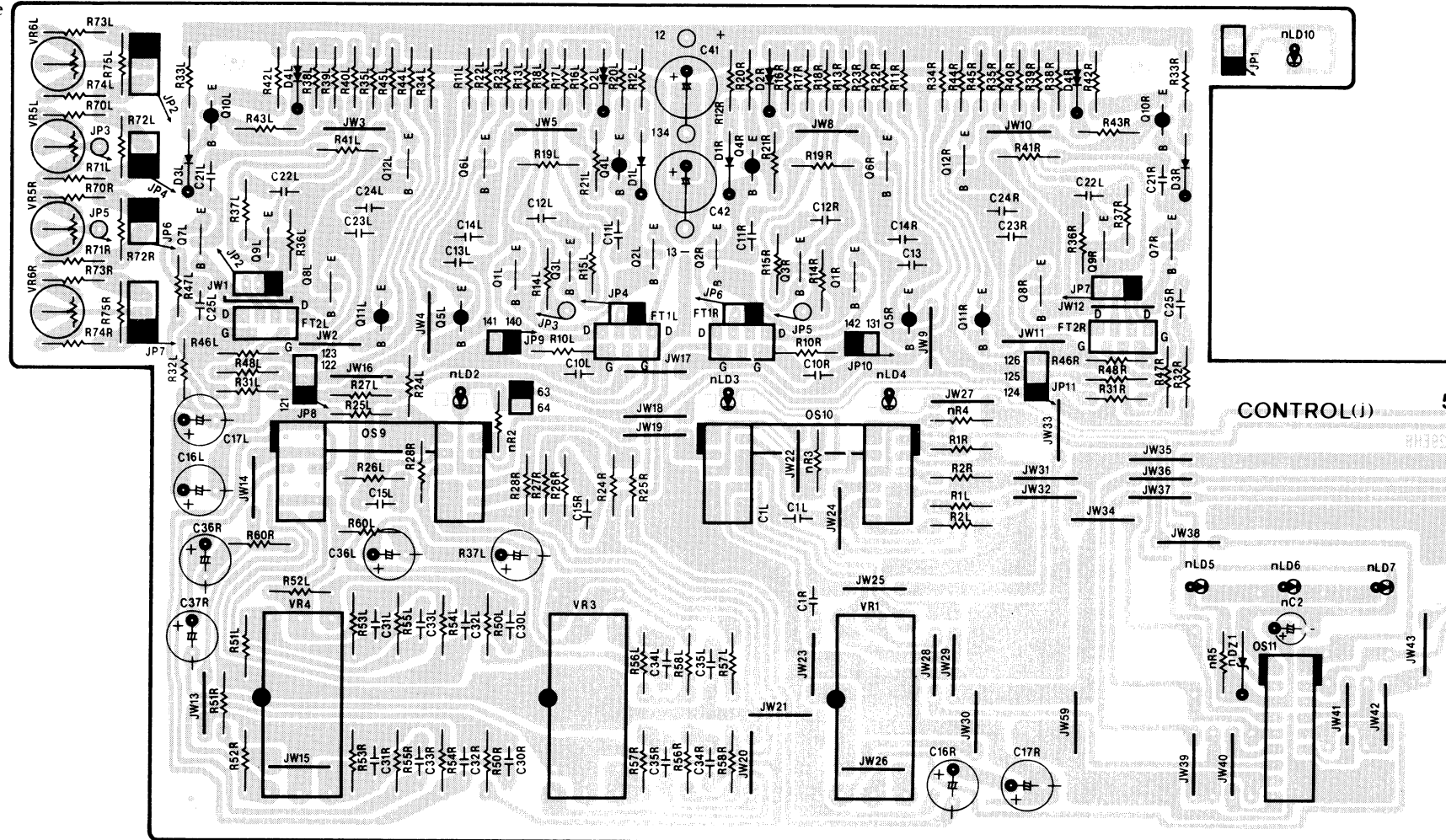
4-10. F-5635 Tone Control Amp Board <AU-X701>

Component Side



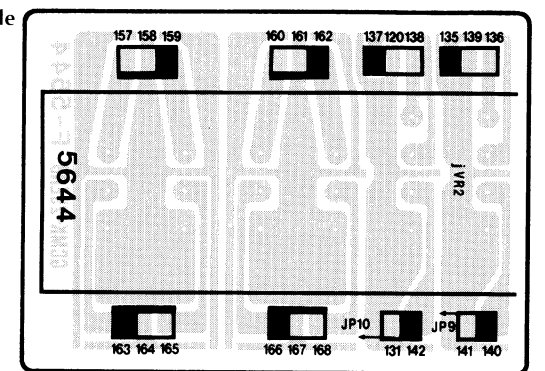
4-11. F-5643 Tone Control Amp Board <AU-X901>

Component Side



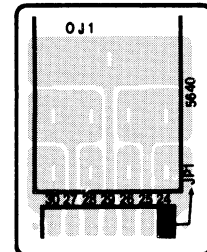
4-12. F-5644 Volume Board <AU-X901>

Component Side



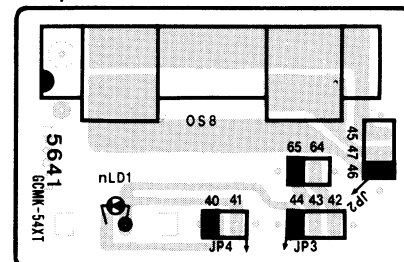
4-13. F-5640 Head Phones Board

Component Side



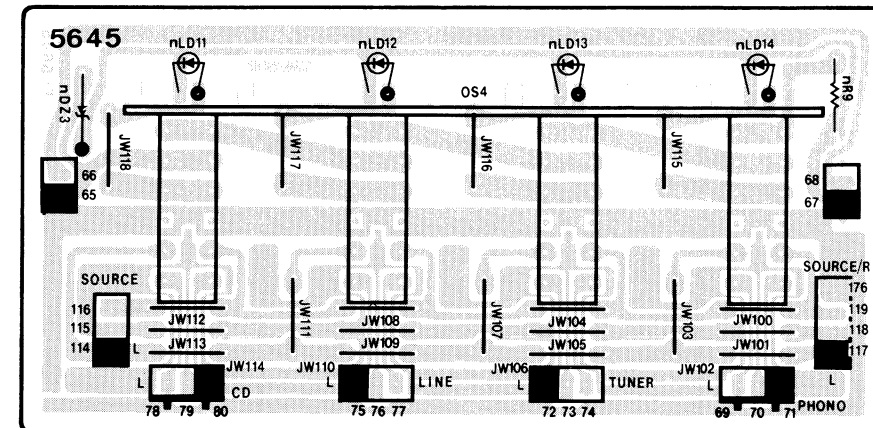
4-15. F-5641 SP SW. Board

Component Side



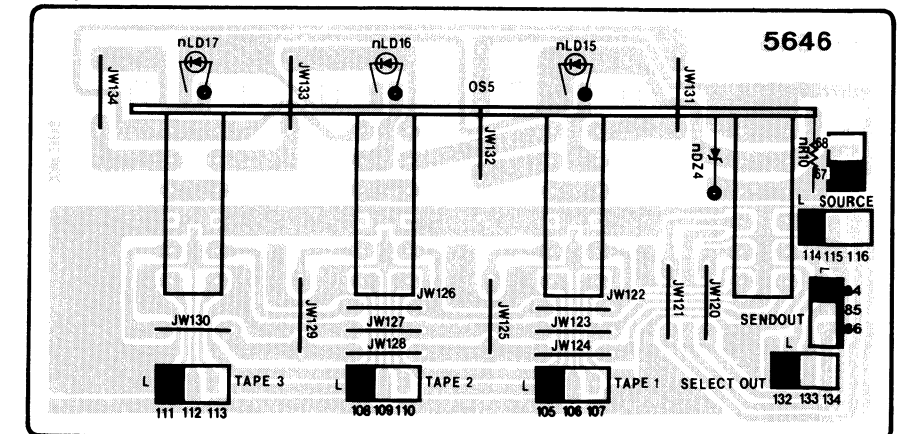
4-14. F-5645 Input Selector Board <AU-X901>

Component Side



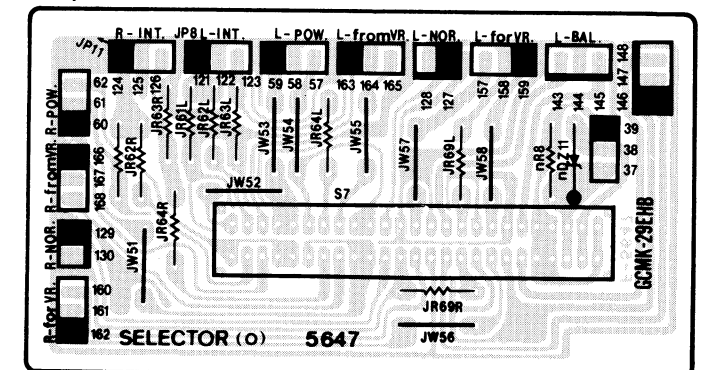
4-16. F-5646 Tape Selector Board <AU-X901>

Component Side



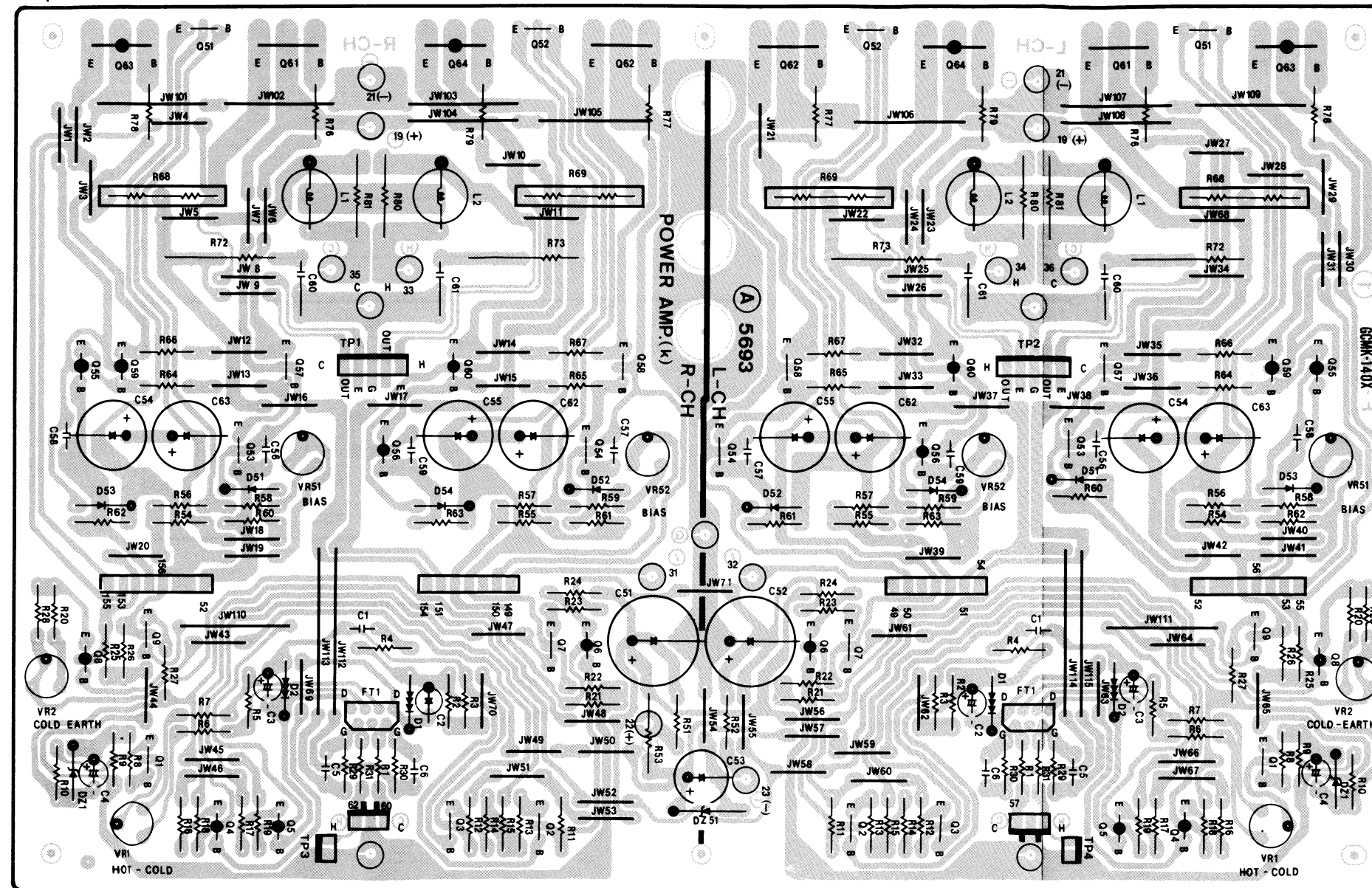
4-17. F-5647 Power Amp Direct SW. Board <AU-X901>

Component Side



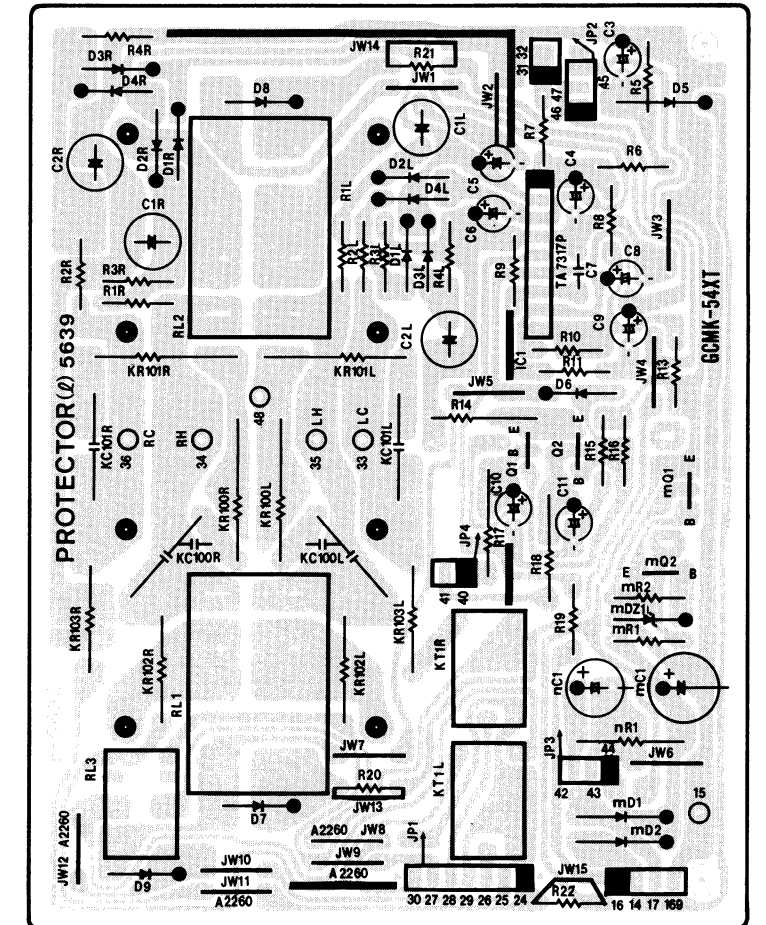
4-18. F-5693 Power Amp Board

Component Side



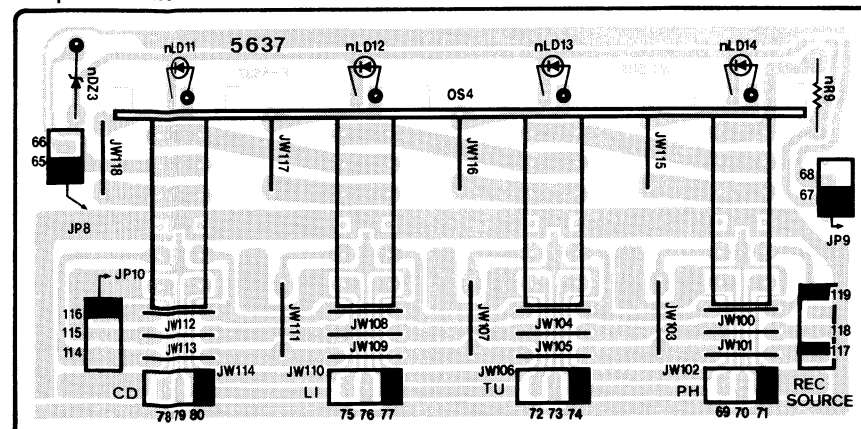
4-19. F-5639 Protector Board

Pattern Side



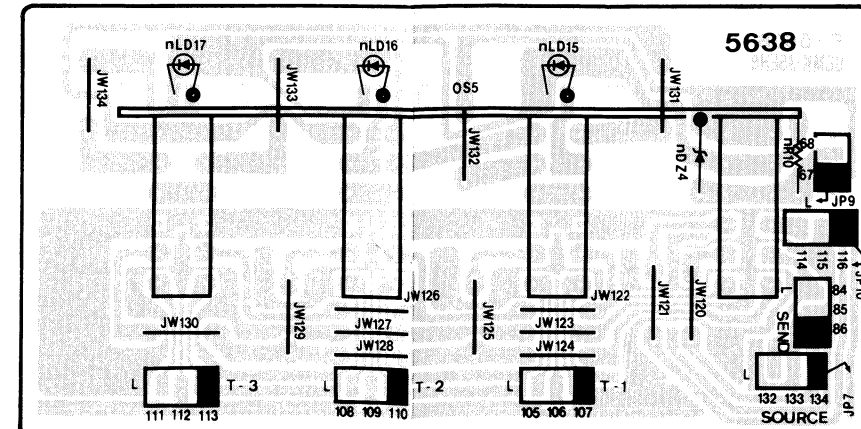
4-20. F-5637 Input Selector Board <AU-X701>

Component Side



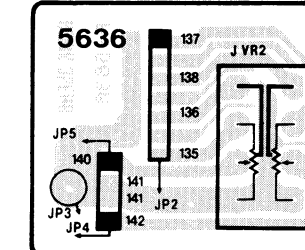
4-21. F-5638 Tape Selector Board <AU-X701>

Component Side

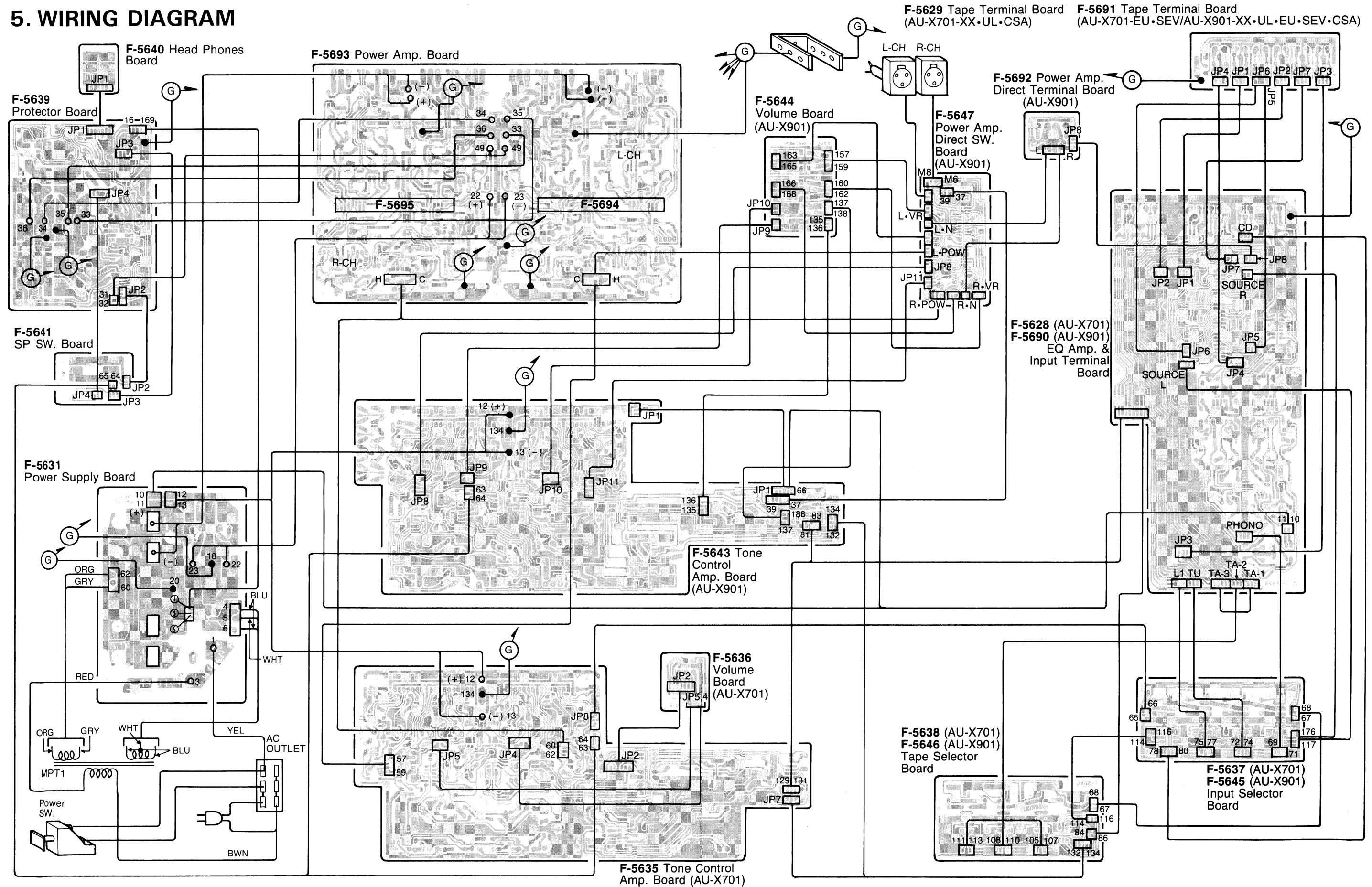


4-22. F-5636 Volume Board <AU-X701>

Component Side

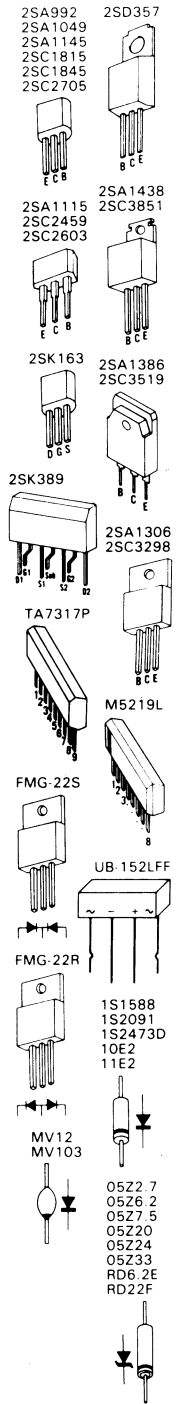
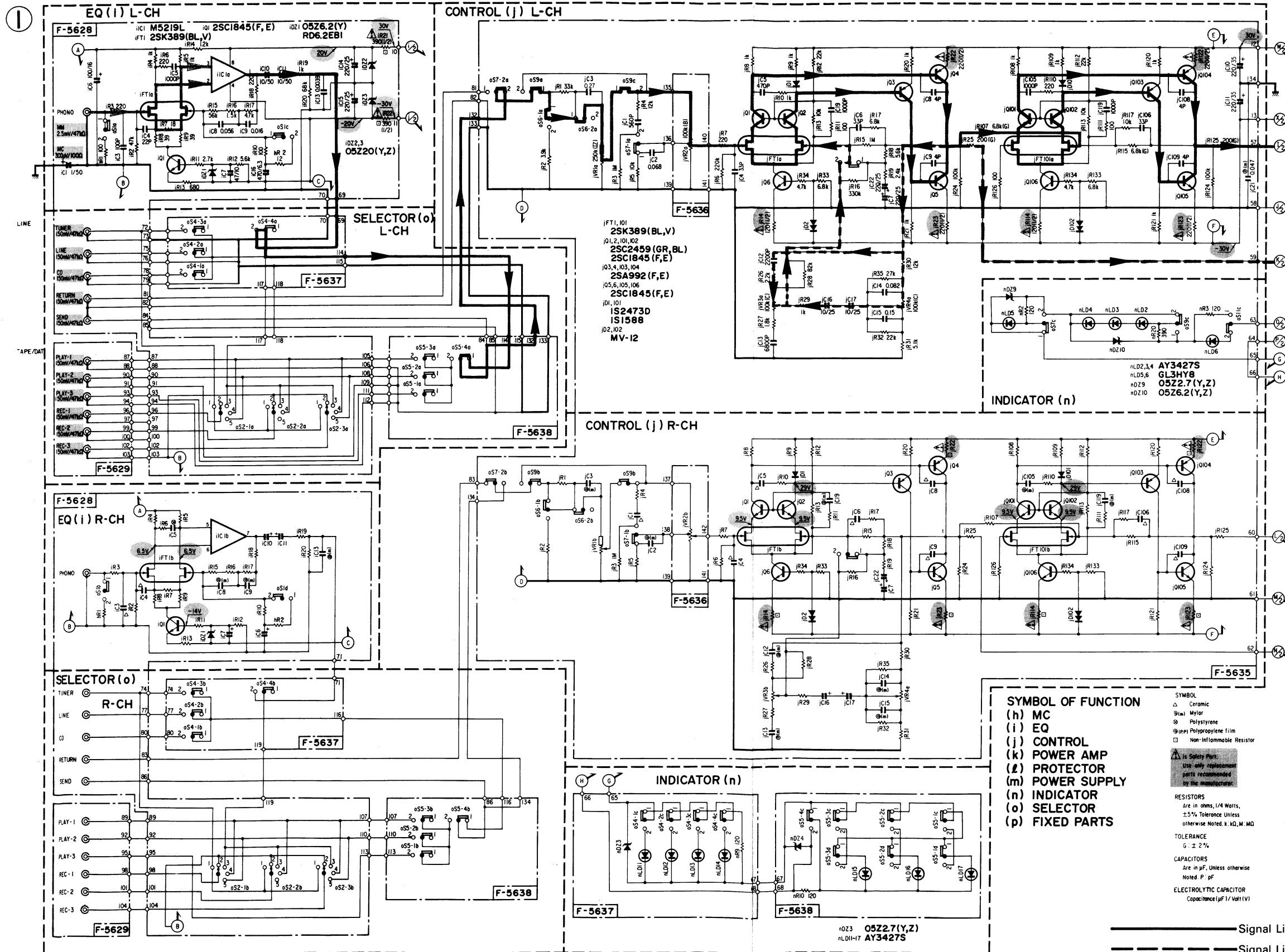


5. WIRING DIAGRAM



6. SCHEMATIC DIAGRAM 6-1. EQ Amp & Control Amp Section (XX, UL, CSA) <AU-X701>

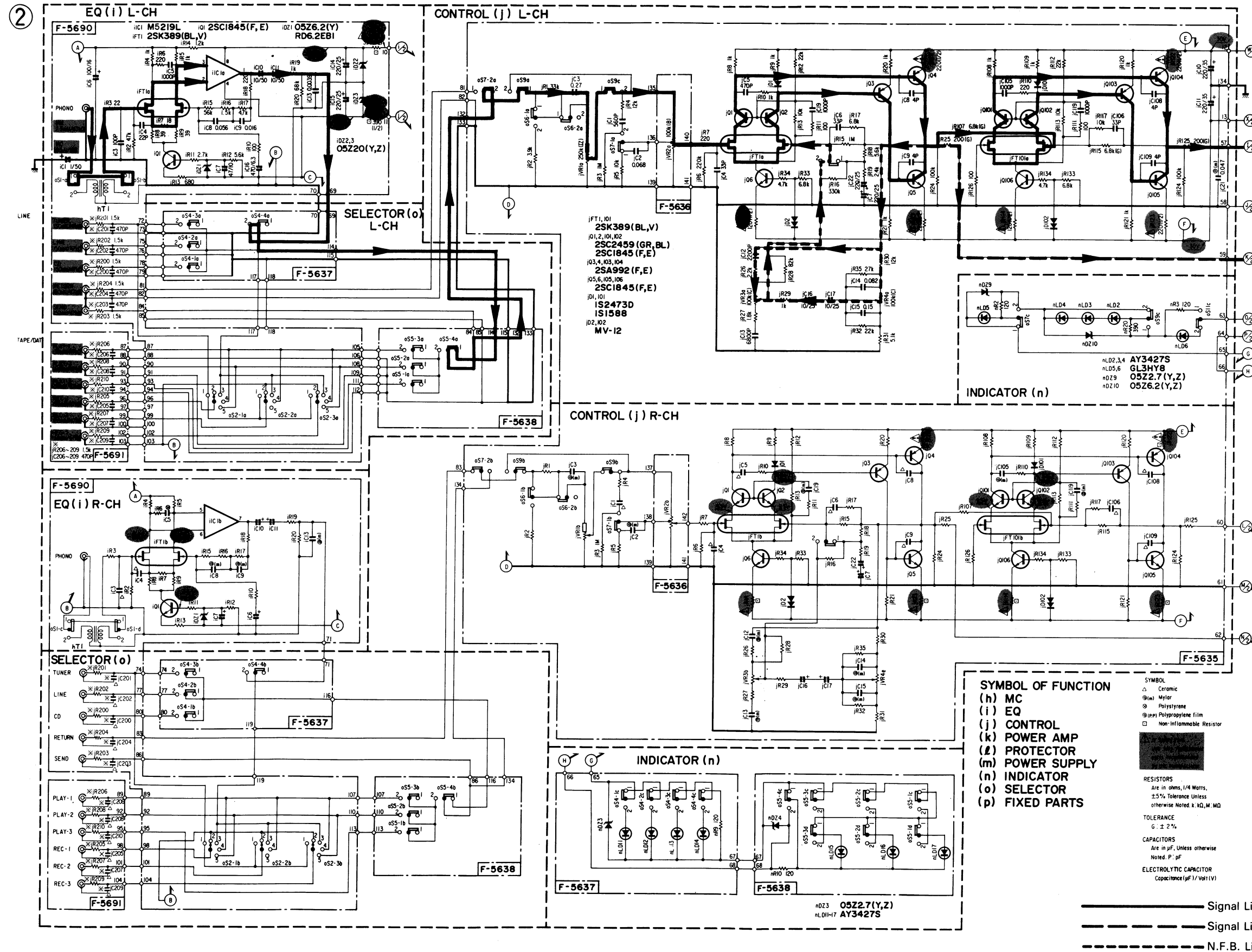
* Design and specifications subject to change without notice for improvement.
* La présentation et les spécifications sont susceptibles d'être modifiées sans préavis par suites d'améliorations éventuelles.
* Änderungen, die dem technischen Fortschritt dienen, bleiben vorbehalten.



— Signal Line (HOT Amp.)
— Signal Line (COLD Amp.)
— N.F.B. Line

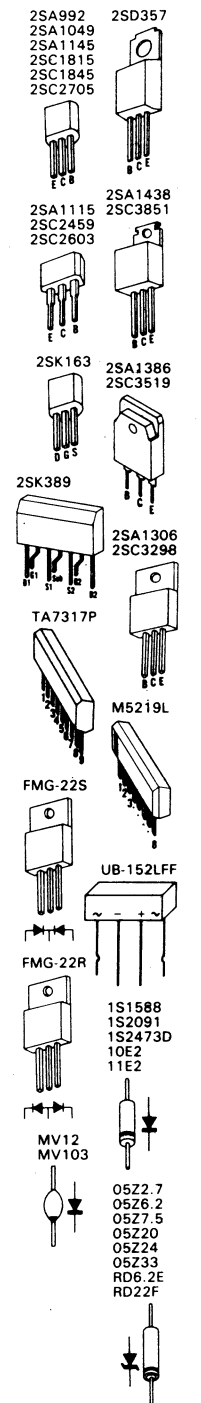
6-2. EQ Amp & Control Amp Section (EU, SEV) <AU-X701>

Design and specifications subject to change without notice for improvement.
 La présentation et les spécifications sont susceptibles d'être modifiées sans préavis par suites d'améliorations éventuelles.
 Änderungen, die dem technischen Fortschritt dienen, bleiben vorbehalten.



- SWITCHES**
 oS1 CARTRIDGE SELECTOR
 1. MC
 2. MC
 oS2 REC SELECTOR
 1. TUNER
 2. OFF
 3. SOURCE
 4. 1-2,3
 5. 2-1,3
 oS4 LINE SELECTOR
 1. CD
 2. LINE
 3. TUNER
 4. PHONO
 oS5 TAPE SELECTOR
 1. TAPE 3
 2. TAPE 2
 3. TAPE 1
 4. TAPE / LINE
 oS6-1 MUTE
 1. OFF 2. ON
 oS6-2 SUBSONIC
 1. OFF 2. ON
 oS7-1 LOUDNESS
 1. OFF 2. ON
 oS7-2 PROCESSOR
 1. SOURCE
 2. RETURN
 oS9 SOURCE DIRECT
 1. OFF 2. ON
 oS11 TONE
 1. OFF 2. ON

* FTZ MODEL only

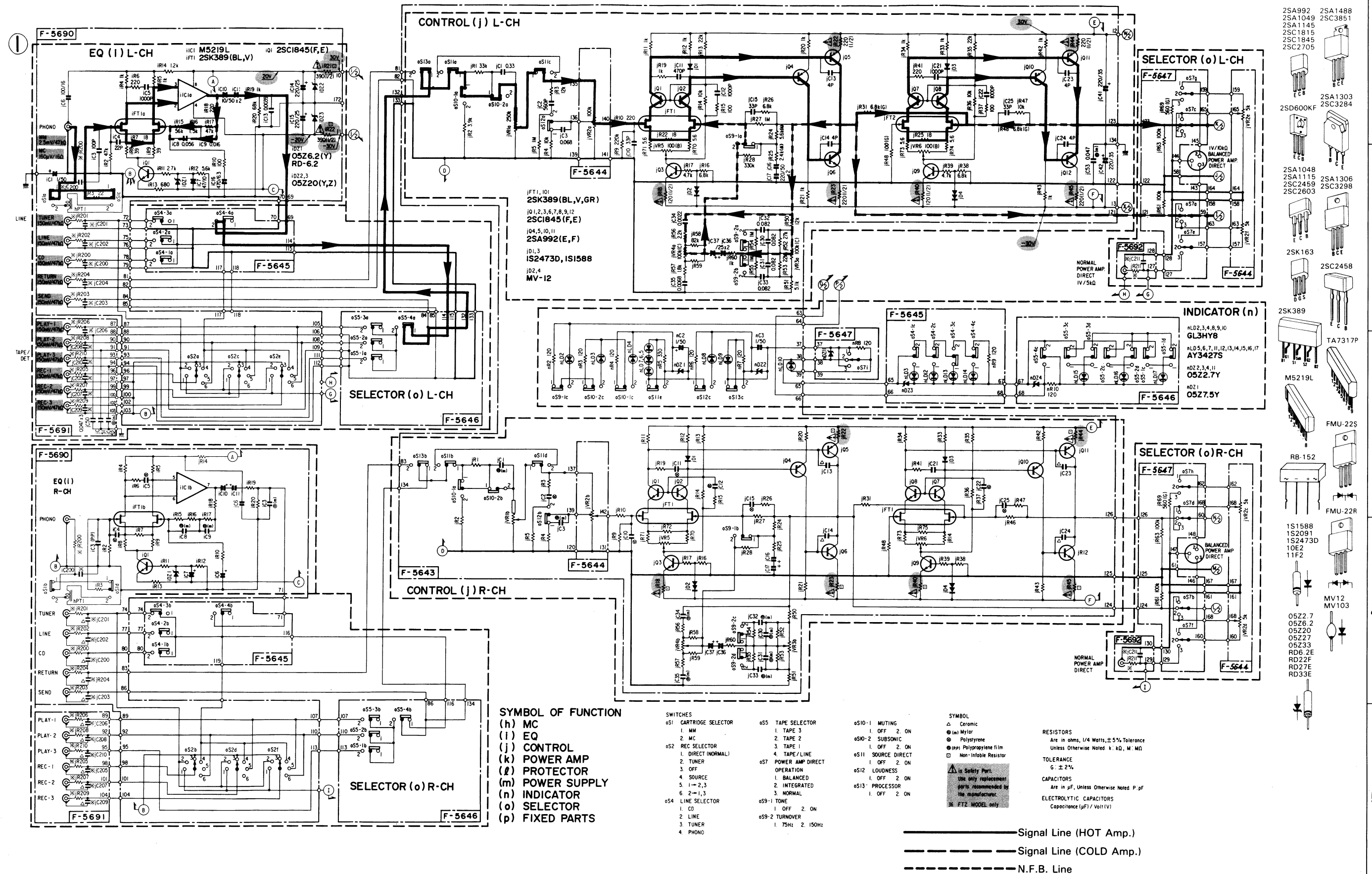


- * Design and specifications subject to change without notice for improvement.
- * La présentation et les spécifications sont susceptibles d'être modifiées sans préavis par suites d'améliorations éventuelles.
- * Änderungen, die dem technischen Fortschritt dienen, bleiben vorbehalten.



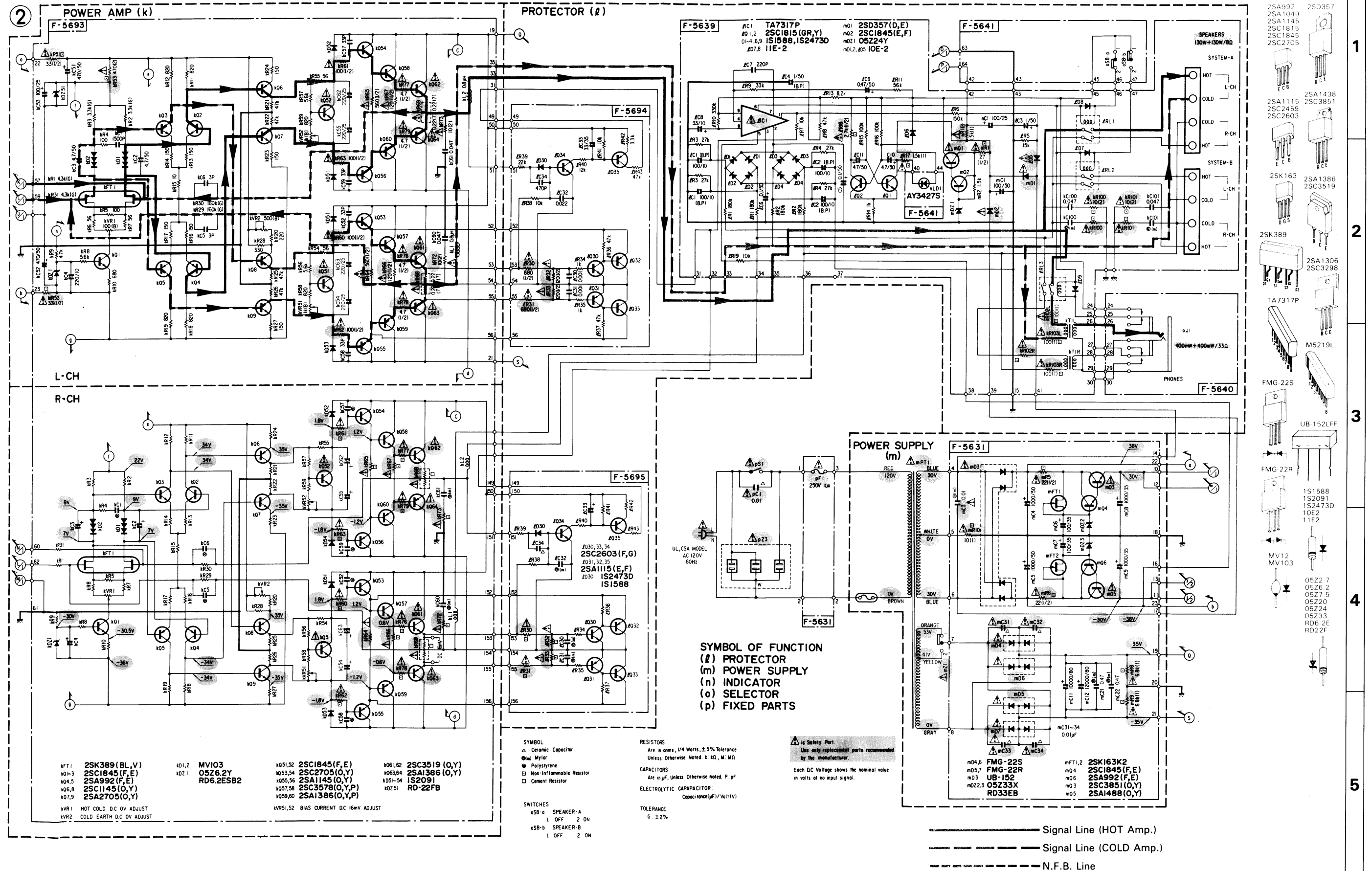
6-4. EQ Amp & Control Amp Section <AU-X901>

Design and specifications subject to change without notice for improvement.
 La présentation et les spécifications sont susceptibles d'être modifiées sans préavis par suites d'améliorations éventuelles.
 Änderungen, die dem technischen Fortschritt dienen, bleiben vorbehalten.



Design and specifications subject to change without notice for improvement.
 La présentation et les spécifications sont susceptibles d'être modifiées sans préavis par suites d'améliorations éventuelles.
 Änderungen, die dem technischen Fortschritt dienen, bleiben vorbehalten.

6-5. Power Amp & Power Section <AU-X901>



A

B

C

D

E

F

G

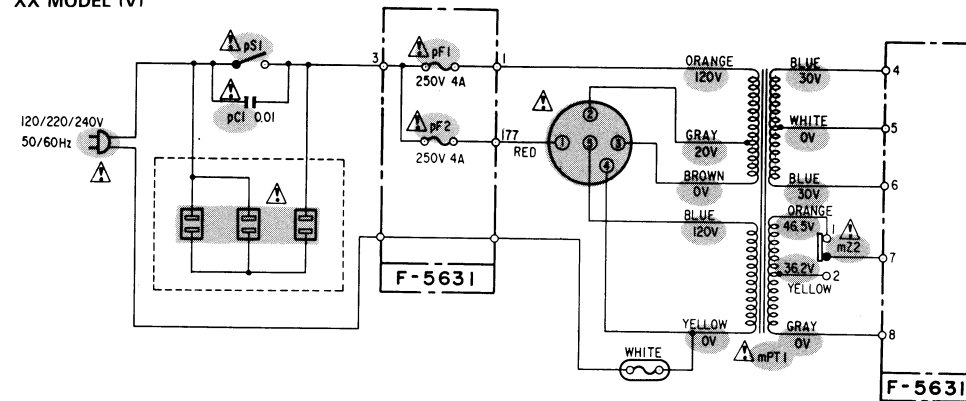
H

6-6. Power Supply (Primary Side) Section <AU-X701>

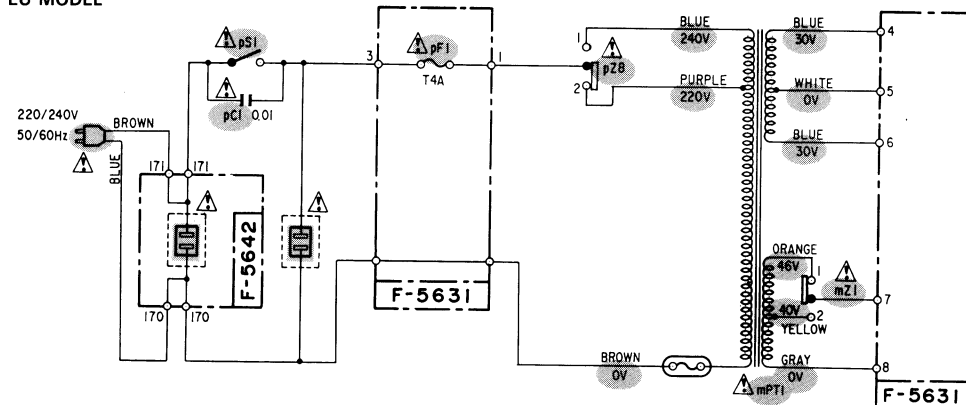
•AU-X701

④

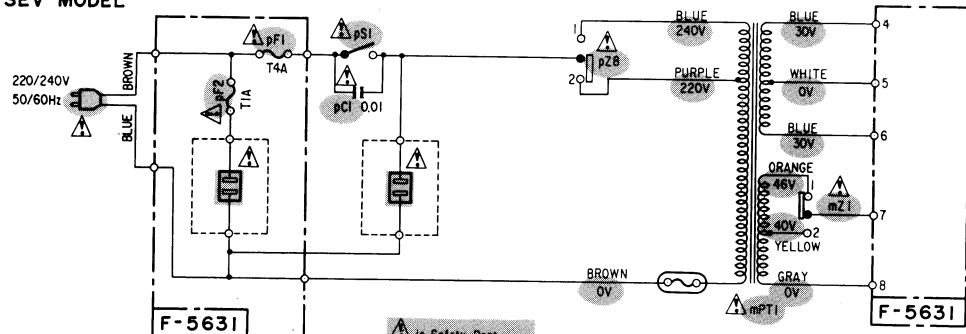
XX MODEL (V)



EU MODEL



SEV MODEL



pZ8 VOLTAGE SELECTOR
1. 240V 2. 220V

mZ1 SPEAKER IMPEDANCE SELECTOR
1. A+B 8~12Ω, A,B 4~16Ω
2. A+B 16Ω, A,B 8~16Ω

⚠ is Safety Part.
Use only replacement
parts recommended
by the manufacturer.

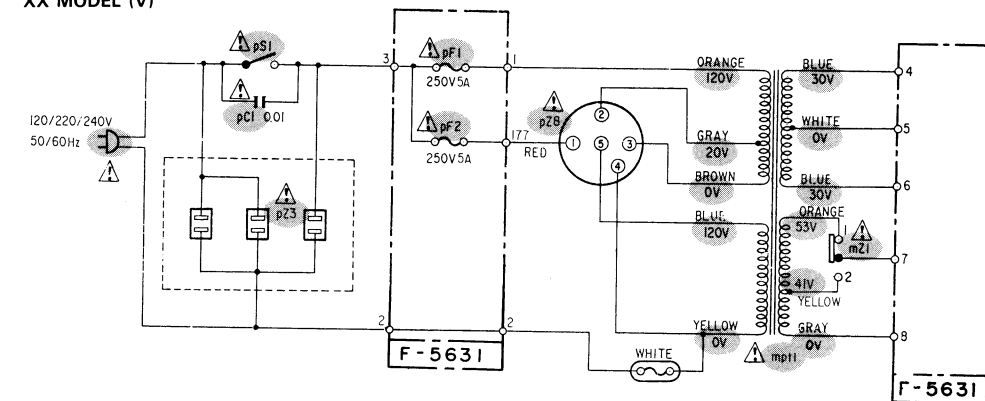
* Design and specifications subject to change without notice for improvement.
* La présentation et les spécifications sont susceptibles d'être modifiées sans préavis par suites d'améliorations éventuelles.
* Änderungen, die dem technischen Fortschritt dienen, bleiben vorbehalten.

6-7. Power Supply (Primary Side) Section <AU-X901>

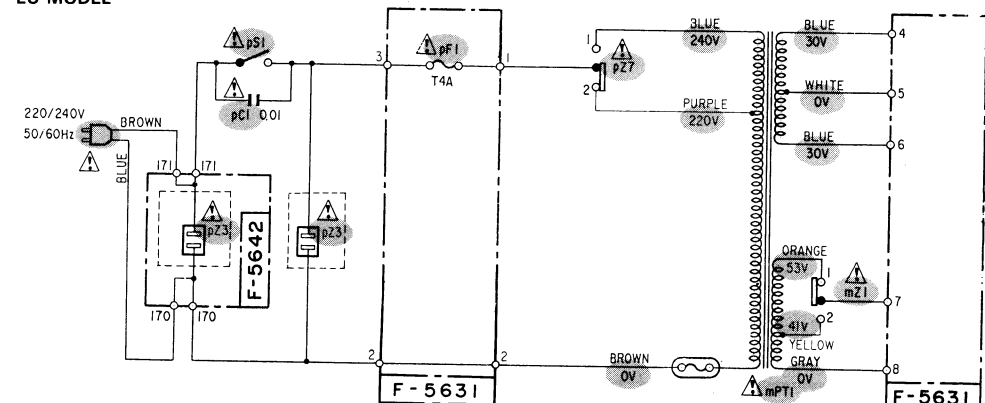
•AU-X901

③

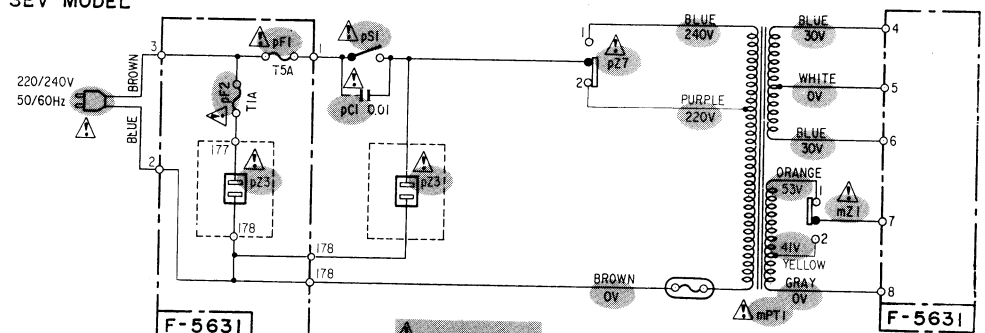
XX MODEL (V)



EU MODEL



SEV MODEL



pZ7 VOLTAGE SELECTOR
1. 240V 2. 220V

mZ1 SPEAKER IMPEDANCE SELECTOR
1. A or B 8~16Ω A and B 16Ω
2. A or B 4~6Ω A and B 8~12Ω

⚠ is Safety Part.
Use only replacement
parts recommended
by the manufacturer.

2SA992 2SD357
2SA1049 2SC3851
2SA1145 2SC3851
2SC1815 2SC3851
2SC1845 2SC3851
2SC2705 2SC3851

2SA1115 2SA1438
2SC2459 2SC3851
2SC2603 2SC3851

2SK163 2SA1386
2SC3519 2SC3519

2SK389 2SA1306
2SC3298 2SC3298

TA7317P M5219L

FMG-22S UB-152LFF

FMG-22R 1S1588
1S2091 1S2473D
1OE2 11E2

MV12 MV103

OSZ2.7 OSZ6.2
OSZ7.5 OSZ20
OSZ24 OSZ33
RD6.2E RD22F

1

2

3

4

5

7. ADJUSTMENT

Condition: 1. Master Volume Minimum
2. Room Temperature 18°C ~ 28°C (65°F ~ 83°F)

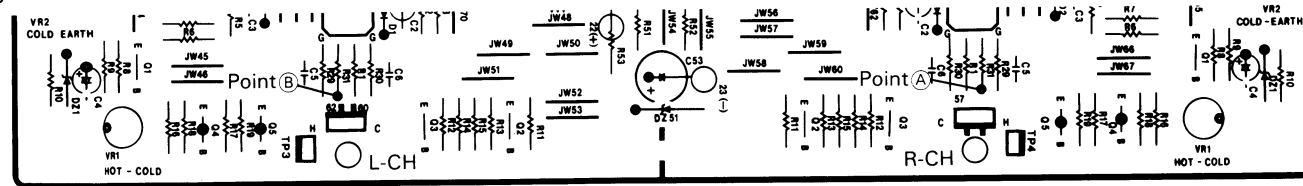
7-1. F-5693 Power Amp. Adjustment

| STEP | SUBJECT | MEASURE OUTPUT | ADJUST | ADJUST FOR | REMARKS |
|------|------------------------------|--|--------|--------------|--|
| 1. | Center DC 0V Adj. <L-ch> | DC Voltage between Speaker Terminals COLD and GND <L-ch> | kVR2L | DC 0V ± 3 mV | •Set Speaker-A switch to "ON". •Set the POWER AMP DIRECT <AU-X901> switch to normal position. |
| 2. | Center DC 0V Adj. <R-ch> | DC Voltage between Speaker Terminals COLD and GND <R-ch> | kVR2R | DC 0V ± 3 mV | |
| 3. | Hot/Cold Balance Adj. <L-ch> | DC Voltage between Speaker Terminal HOT and GND. <L-ch> | kVR1L | DC 0V ± 3 mV | |
| 4. | Hot/Cold Balance Adj. <R-ch> | DC Voltage between Speaker Terminal HOT and GND. <R-ch> | kVR1R | DC 0V ± 3 mV | |

7-2. F-5643 Tone Control Amp. Adjustment <AU-X901>

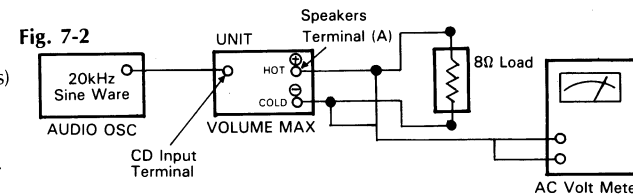
| STEP | SUBJECT | MEASURE OUTPUT | ADJUST | ADJUST FOR | REMARKS |
|------|------------------------------|---|--------|--------------|---|
| 1. | Center DC 0V Adj. <L-ch> | DC Voltage between F-5693 Point Ⓐ (kR31) and Chassis (See Fig. 7-1) | jVR5L | DC 0V ± 3 mV | •For this adjustment, remove the front panel. •Set the POWER AMP DIRECT switch to integrated position. •Set Speaker-A switch to "ON". |
| 2. | Center DC 0V Adj. <R-ch> | DC Voltage between F-5693 Point Ⓑ (kR31) and Chassis (See Fig. 7-1) | jVR5R | DC 0V ± 3 mV | |
| 3. | Hot/Cold Balance Adj. <L-ch> | DC Voltage between Speaker Terminals HOT and GND. <L-ch> | jVR6L | DC 0V ± 3 mV | |
| 4. | Hot/Cold Balance Adj. <R-ch> | DC Voltage between Speaker Terminals HOT and GND. <R-ch> | jVR6R | DC 0V ± 3 mV | |

Fig. 7-1 F-5693



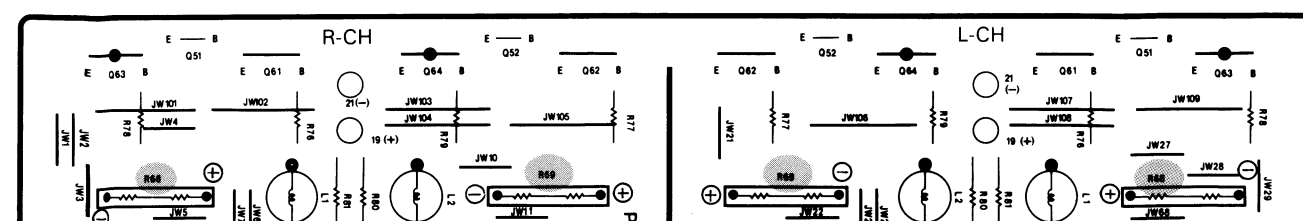
7-3. F-5693 Power Amp. Adjustment

- Note: Perform this adjustment after the preheating (more than five minutes)
*Preheating
1. Arrange the connection as shown in Fig. 7-2.
2. Set the output level of Audio OSC for obtaining 16.8V (35W) <AU-X701> or 20.6V (53W) <AU-X901> on the AC Volt Meter.
3. Set the Volume to minimum position after the preheating.



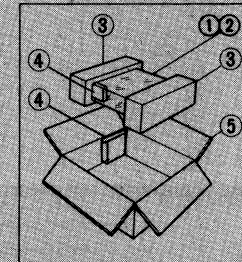
| STEP | SUBJECT | MEASURE OUTPUT | ADJUST | ADJUST FOR | REMARKS |
|------|--|---|--------|----------------|---|
| 1. | Bias Current Adj. <Hot Side Amp. of L-ch> | DC Voltage between both edges of kR69 <L-ch> (See Fig. 7-3) | kVR52L | DC 17mV ± 2 mV | •Set the POWER AMP DIRECT <AU-X901> switch to normal position. •After this adjustment position (Bias Current), repeat procedures as stated in 7-1 & 7-2. |
| 2. | Bias Current Adj. <Cold Side Amp. of L-ch> | DC Voltage between both edges of kR68 <L-ch> (See Fig. 7-3) | kVR51L | DC 17mV ± 2 mV | |
| 3. | Bias Current Adj. <Hot Side Amp. of R-ch> | DC Voltage between both edges of kR69 <R-ch> (See Fig. 7-3) | kVR52R | DC 17mV ± 2 mV | |
| 4. | Bias Current Adj. <Cold Side Amp. of R-ch> | DC Voltage between both edges of kR68 <R-ch> (See Fig. 7-3) | kVR51R | DC 17mV ± 2 mV | |

Fig. 7-3 F-5693



8. PACKING LIST

| Parts No. | Stock No. | Description |
|-----------|-----------|-----------------------|
| 1 | 47858400 | Vinyl Bag |
| 2 | 27417500 | Protector Sheet |
| 3 | 27303700 | Styrofoam Packing |
| 4 | 27354610 | Sub Packing |
| 5 | 27374700 | Carton Case (AU-X701) |
| | 27374800 | Carton Case (AU-X901) |



9. ACCESSORY LIST

| Stock No. | Description |
|-----------|---|
| 27354500 | Polyshing Cloth |
| 49023900 | Operating Instruction (*E•F•S) (AU-X701) |
| 49024000 | Operating Instruction (*G•I•Sw) (AU-X701) |
| 49023700 | Operating Instruction (*E•F•S) (AU-X901) |
| 49023800 | Operating Instruction (*G•I•Sw) (AU-X901) |

*Note:

E•F•S: English•French and Spanish Version
G•I•Sw: German•Italian and Swedish Version

Sansui

SANSUI ELECTRIC CO., LTD.:
SANSUI ELECTRONICS CORPORATION:
SANSUI ELECTRONICS (U.K.) LTD.:
SANSUI ELECTRONICS G.M.B.H.:

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PHONE: (03) 324-8891/TELEX: 232-2076 (International Division)
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17150 South Margay Ave. Carson, California 90746 U.S.A.
3036 Koapaka Street, Honolulu, Hawaii 96819 U.S.A.
Unit 10A, Lyon Industrial Estate, Rockware Avenue, Greenford, Middx UB6, OAA, England
Paul Ehrlich Strasse 8, 6074 Rödermark 2, West Germany

(SM1-344)

(1987.1.M) <Stock No. 36529700>